

# Information Communication Technologies (ICT) & Digital Media (DM) Sector

San Diego & Imperial Counties Community Colleges

## K-14 Regional ICT & DM Discussion Forum

*Friday, February 19, 2021*



POWERED BY

California Community Colleges

# Information, Communications, Technologies (ICT) & Digital Media (DM) Sector

## K-14 Discussion Forum

Friday, February 19, 2021 | 2:00 - 3:00 p.m.

### AGENDA

#### I. Welcome and Introductions (3 min.)

Duane Rinehart

#### II. ICT & Digital Media-Related Resources (5 min.)

- San Diego County Office of Education Bryan Glasrud
- Imperial County Office of Education Norma Gamez
- Imperial Valley Regional Occupational Program Adriana Hernandez

#### III. Software Development Presentations: **Company overviews, Career Journeys and KSA's**

- [Neoboard Inc.](#) (25 min.) Kevin Osorno  
Founder & CEO
- [Insulet Corporation](#) (25 min.) Jorge Gimeno  
Associate Test Engineer

#### III. Closing (2 min.)

Monica Rosas

- ICT & Digital Media Discussion Forum [Survey](#)
- Past Discussion Forum [Recordings](#)
- Upcoming: "[Careers in ICT and Digital Media](#)": Friday, March 19, 2021 - 2:00 - 3:00 p.m.
- Next K-14 [ICT & DM Discussion Forum](#): Friday, April 23, 2:00 - 3:00 p.m.



san diego county office of

**EDUCATION**

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FUTURE WITHOUT BOUNDARIES<sup>SM</sup>



# CREATECH 2021

## ICT AND ENGINEERING

APRIL 26  
TIME: TBD  
WHERE: ZOOM

CONTACT BRYAN GLASRUD FOR  
REGISTRATION INFORMATION:  
BRYAN.GLASRUD@SDCOE.NET

WEB DESIGN  
NETWORKING  
INFORMATION  
TECHNOLOGY  
SOFTWARE  
ENGINEERING  
AEROSPACE  
ENGINEERING  
AND MORE!



- The K-12 Cybersecurity Resource Center

<https://k12cybersecure.com/resources/>



- K-12 Education Cybersecurity Foundations - LEADS

<https://www.youracclaim.com/org/ibm/badge/k-12-education-cybersecurity-foundations-leads>



- SDCOE ICT Collaboration Resources

<https://bit.ly/ICTSectorCollaboration>



- College and Career Readiness Department's ICT Career Exploration

<https://cte.innovatesd.org/ICT>



- Cyber Safety Awareness Online Courses

<https://www.careersafeonline.com/courses#cyber>





# Software Development

Kevin Osorno, Founder & CEO  
Neoboard Inc.

# Neoboard, Inc.

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Neoboard Inc. is an Edtech company based in Riverside, CA that is dedicated to engaging online students and providing equitable access to academic support. **Neoboard** is an LMS compatible study session management system that automatically connects students to study groups and academic support. The platform provides equitable access to resources for students and saves valuable time for academic support programs (ASPs) through automating scheduling and logistics for all group sessions.

**Founded:** 2019

**Employees:** 4

**Website:** <https://neoboardapp.com/>



# Kevin Osorno Career Journey

**UNIVERSITY OF CALIFORNIA RIVERSIDE:** Masters, Physics 2014 - 2016

## Activities and Societies:

- PAMGSA Society of Physics Students
- Teachers Aide (Physics)
- Positron Experiments

**LOYOLA MARYMOUNT UNIVERSITY:** Bachelor of Science 2010 - 2014

## Activities and Societies:

- Sigma Pi Sigma
- Public Speaking
- NHS
- STEM Tutoring

**UNIVERSITY OF CALIFORNIA, RIVERSIDE:** Research Manager & Technical Lead (PhD) 2016 - 2020

- NSF i-Corps Program
- ExCITE Accelerator
- IESD
- College Interviews
- Neoboard Inc.
- Wayfinder Incubator

**NEOBOARD INC.:** Chief Executive Officer 2020 - Present

## Volunteer experience:

- BioHack, Panelist: **sharing experiences to students at local elementary schools experience on how to run a startup**
- Citrus Hack, Judge: **evaluated the performance of over 20 teams**
- Riverside STEM Academy, Academic Mentor: **taught students physics concepts relating to compound machines: weight, torque and efficiency**
- La Sierra High School, Business Mentor: **mentored students on how to conduct business networking**
- To name a few...

# Knowledge, Skills and Abilities in Software Development

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## Technical Skills:

- Web Development: *AWS*, JavaScript, *React*, Python
- UI/UX: Figma, Adobe XD
- Back-End: MySQL, Django, *REST API*
- Analysis/Simulation: ANSYS, MATLAB
- Design: AutoCAD, SolidWorks

## Soft Skills:

- Public Speaking (Share the vision & goal!)
- Networking & Community (Meetup, Discord, Local Mixers)
- Collaborative Principles (Scrum, Agile, Trello, Jira, Messaging)
- Handling Failure



# Thank you!

*“Empowering students to succeed, one study group at a time!”*

Kevin Osorno, Founder & CEO  
Neoboard Inc.  
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Riverside, CA 92501  
[the-educator@neoboardapp.com](mailto:the-educator@neoboardapp.com)  
(949) 236-7232





# Software Development

Jorge Gimeno, Associate Test Engineer  
Insulet Corporation

# Insulet Corporation

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Insulet Corporation (NASDAQ: PODD), headquartered in Massachusetts, is a medical device company dedicated to making the lives of people with diabetes and other conditions easier through the use of its **Omnipod** product platform. The **Omnipod Insulin Management System** provides a unique alternative to traditional insulin delivery methods. More than 100,000 users across the globe rely on Insulet's Omnipod Insulin Management System to bring simplicity and freedom to their lives

**Founded:** 2000

**Employees:** 1,001-5,000

**Website:** [www.insulet.com](http://www.insulet.com) and [www.omnipod.com](http://www.omnipod.com)

Over 20 years in Cybersecurity!

# Jorge Gimeno Career Journey

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**NEW ALTERNATIVES,  
INC.:** Child Care Worker  
2010 - Jun 2020

**COMPUTER EDUCATION INSTITUTE:**  
Microsoft Certified Professional  
(MCSE), Network and System  
Administration/Administrator 2001 -  
2002

## Licenses & certifications

- Microsoft, MCSE-Windows 2000
- Intuit Accountants, Quickbooks Online ProAdvisor
- Intuit Accountants, Quickbooks ProAdvisor

**INSULET  
CORPORATION:**  
Associate Test  
Engineer 2020 -  
Present

# Knowledge, Skills and Abilities in Software Development

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## Technical Skills (involve computers):

- Programming: Python, Django, (some!) React & JavaScript
- Testing: Pytest, Selenium, CT (Travis CI, Circle CI, Bamboo)

## Soft Skills (involve people):

- Community organizer (DjangoCon, SDPUG, DjangoGirls workshops)
- Collaborative development (version control, development methodology, teamwork)

# Discipline of Testing

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- Understanding the User in User Story
- Understanding the risks of failing code
  - Not all failure modes are created equal
  - Failures can have different outcomes
- Difference in mentality(focusing on code failure v success)
- Tests themselves require validation
- How is this addressed in curricula?

# Thank you!

**Jorge Gimeno, Associate Test Engineer**

**Insulet Innovation Center**

**9276 Scranton Road, Suite 400**

**San Diego, CA 92121**

**[jlgimeno71@gmail.com](mailto:jlgimeno71@gmail.com)**

# Insulet Corporation



Groundbreaking Insulin Management Technology

# Software Development Language Priority

Language	Notes	Rating	
		Feb 2021	Change
C	C and Java have always ranked #1 or #2 since 2006	16.34%	-0.43%
Java		11.28%	-6.07%
python	Python has consistently gained “market share” from #7 in 2006 to #3 in 2021	10.86%	+1.52%
C++	C++ has consistently been in top 4 since 1991	6.88%	+0.71%
C#	Heavily promoted by Microsoft to automate Windows apps; C# has been in top 6 since 2006	4.44%	-1.48%
Visual Basic		4.33%	-1.53%
Javascript	Historically “web” languages. PHP seems to be fading while Javascript is gaining some ground through alt. channels (server, desktop, mobile)	2.27%	+0.21%
PHP		1.57%	-0.27%
SQL	Relational DB language; not general purpose	1.72%	+0.20%



## COMMUNITY COLLEGES

SAN DIEGO & IMPERIAL COUNTIES

## CAREER EDUCATION

# ICT & DIGITAL MEDIA SECTOR ACTIVITIES

The San Diego & Imperial Counties Community Colleges invite you to a series of VIRTUAL K-14 Educator and Student sessions highlighting the different careers in Information Communication Technologies (ICT) & Digital Media (DM) in San Diego and Imperial Counties!

 REGISTER TODAY! 

 Educator Discussion Forums, click [HERE](#)

 Careers in ICT & DM, click [HERE](#)

## FALL 2020

### K-14 Educator Discussion Forum

- Friday, November 20 ~ 2:00 - 3:00 p.m.
- Friday, December 18 ~ 2:00 - 3:00 p.m.



**Indicates event is for Students, Parents and Educators via Zoom Webinar**

Questions? Contact Monica Rosas, K-14 Career Education Professional Development Coordinator at [monica.rosas@gcccd.edu](mailto:monica.rosas@gcccd.edu)

## SPRING 2021



### Careers in ICT and Digital Media

Friday, January 22 ~ 2:00 - 3:00 p.m.

### K-14 Educator Discussion Forum

Friday, February 19 ~ 2:00 - 3:00 p.m.



### Careers in ICT and Digital Media

Friday, March 19 ~ 2:00 - 3:00 p.m.

### K-14 Educator Discussion Forum

Friday, April 23 ~ 2:00 - 3:00 p.m.



### Careers in ICT and Digital Media

Friday, May 21 ~ 2:00 - 3:00 p.m.

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# ICT & DM DISCUSSION FORUM SURVEY

## ICT & Digital Media Sector Discussion Forum

### Discussion Forum Content

The below questions will help us address your current distance learning needs as well as provide resources for future virtual and in-person learning methods.

For future discussion forums, what topic (s) interest you (i.e. Business Software Applications, IT Network/Cyber-security, Computer Science/Software Development, Digital Media/Entertainment, etc.)?

- Business Software Applications: Business Communication & Computer Literacy; MS Office; Excel Pivot Tables; Google Docs, etc.

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# Thank you!

Duane Rinehart, MBA  
Regional Director, Industry Engagement -  
San Diego and Imperial Counties  
Information Communication Technologies (ICT)  
and Digital Media (DM)  
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