

QUOC-VIET DANG

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EDUCATION

University of California, Irvine
Ph.D. in Computer Systems and Software **2011 - 2017**
Dissertation focus on Automated Design Learning Tool for Engineers and Massive Online Education

California State University, Long Beach
M.S. in Computer Engineering and Computer Science **2008 - 2010**
Graduated with Dean's Honor Award for Computer Science Specialization

University of California, Irvine
B.S. in Information and Computer Science **2000 - 2004**
Concentration in Human Computer Interaction and Artificial Intelligence

TEACHING EXPERIENCE

University of California, Irvine
Assistant Professor of Teaching **Fall 2017 - Present**
Instruct Digital Design Logic (EECS 31), Digital Design Logic Lab (EECS 31L), Advanced C Programming (EECS 22), & Software Engineering Project in C Language (EECS 22L) courses.
Conduct Pedagogical research in the field of E-Learning and developing new online curriculum.
Supervising independent undergraduate research, and advising various student engineering groups.

University of California, Irvine
Teaching Associate / Graduate Student Researcher **2013 – Spring 2017**
Instruct Digital Design Logic & Digital Design Logic Lab Courses. Create, modify, and present course material & assignments. Manage TA's & Graders/Readers.
Improving methodology for engineering courses to provide more effective reference resources for students in Digital Design.

RELATED EXPERIENCE

CARE Office, University of California, Irvine
Graduate Student Intern **June 2016 – September 2016**
Engage in strategies designed to understand and assess graduate student needs.
Develop and adapt opportunities for graduate and professional student engagement.

Triangle Fraternity, University of California, Irvine
Outreach Coordinating and Recruitment **April 2014 – June 2016**
Successfully coordinated 2 high school outreach Engineering workshops for underprivileged youth with 2 different high schools for more than 20 students participating from Los Amigos High School in 2016 for a 2 day workshop and 60 students participating from Citrus Hills High School in 2015 for a 1 day workshop.
Organized quarterly recruitment events for prospective members with largest recruitment for the local chapter in recent years of 10 new members for Spring 2014 and 13 new members for Fall 2014.

Violence Intervention and Prevention (VIP) Chair **January 2014 – January 2016**
Attended monthly trainings led by the CARE Office and Student Life and Leadership departments.
Organized quarterly workshops of interest to fraternity members based on topics including active bystander intervention, domestic violence/healthy relationships, and self-care.
Acted as the primary liaison for approximately 50 fraternity members and the CARE Office.

University of California Office of the President (UCOP)
Graduate Student Representative for SVSA Student Workgroup **January 2015 – January 2016**
Provided feedback regarding university policies and procedures for responding to sexual assault cases across the UC system.
Worked with UCOP and student representatives from all 10 UC campuses to plan and attend a joint collaboration Peer Education Symposium held in Spring 2016.

PUBLICATIONS AND PAPERS

C-06. Quoc-Viet Dang <i>"Implementing an Individualized Recommendation System using Latent Semantic Analysis"</i> Paper presented at 2018 6th International Conference on Information and Education Technology (ICIET 2018), Published in International Conference Proceedings Series by ACM	2018
C-05. Quoc-Viet Dang <i>"Utilizing Latent Semantic Analysis to Provide Automated Educational Support"</i> Paper presented at 2017 International Conference on E-Education, E-Business, and E-Technology (ICEBT 2017) Published in International Conference Proceedings Series by ACM Best Paper Award for Computer-Based Education	2017
C-04. Quoc-Viet Dang <i>"An Automated Tool for Individualized Guidance in a Large-Scale Course"</i> Paper presented at The 13th International Conference on Frontiers in Education: Computer Science and Computer Engineering (FECS'17)	2017
C-03. Quoc-Viet Dang and Daniel Gajski <i>"Creating an Automated Learning Management Tool in an Engineering Course Based on Interdisciplinary Metrics"</i> Paper presented at 2014 International Conference on Frontiers in Education: Computer Science and Computer Engineering (FECS 2014)	2014
C-02. Quoc-Viet Dang and Daniel Gajski <i>"Bringing In-Class Online: A Hybrid Solution"</i> Paper presented at 4th Interdisciplinary Engineering Education Conference (IEDEC 2014)	2014
C-01. Daniel Gajski, Quoc-Viet Dang, and WenLiang He <i>"An Online Methodology for Individualized Education"</i> Paper presented at International Conference on e-Learning, e-Business, EIS, & e-Government (EEE'13)	2013

AWARDS

2018 Dean's Honoree for Teaching Excellence @ 2018 Celebration of Teaching @ UCI.

RESEARCH AND GRANTS

Online Course Development for EECS 31/31L under UCOP Innovative learning Technology Initiative (ILTI) RFP 6 for \$76,000	2018-2019
Texas Instruments Gift/Award for research development of RSLK Kit use in EECS Curriculum for \$12,000	2018
UCI eTech Mini Grant for piloting use of VR in Engineering courses for \$500	2018
Online Course Development for EECS 22/22L under UCOP Innovative Learning Technology Initiative (ILTI) RFP 6 for \$69,000	2017-2018

FACULTY ADVISING FOR STUDENT GROUPS

FSAE Electric Sub-Team	2017-Present
Institute of Electrical and Electronics Engineers at UCI	2017-Present
Orangineers (Engineering High School Outreach Program)	2017-Present
UAV Forge Avionics Sub-Team	2018-Present
Zotbotics	2018-Present
Micromouse @ UCI	2018-Present

MEMBERSHIPS

Institute of Electrical and Electronics Engineers (IEEE)
Society of Automotive Engineers (SAE)
Sports Car Club of America (SCCA)
Triangle Fraternity

OTHER SERVICE

Volunteer Judge for Order of Omega Greek Awards	2019
CSE Steering Committee Member	2018-2019
CpE ABET Lead	2017-2019
CSE ABET Co-Lead	2018-2019

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Hosted 1 CSE Lower Division Advising Session	2019
Hosted 1 CSE Upper Division Advising Session	2019
Co-hosted Student Advising Sessions (2 Freshmen, 1 Junior, and 1 Senior Advising Sessions)	2017-2019
Event Supervisor for Battery Buggy @ 2 Regional Science Olympiads @ UC Irvine	2018-2019
Coordinating Engineering high school outreach programs for 2 local Title I high schools with Orangineers	2017-2019
Mentoring multiple undergraduate independent research projects (199) ranging from autonomous drones to cryptocurrency mining an FPGA	2017-2019
Mentoring 9 senior design project groups since 2017	2017-2019
Member of Ad Hoc Advising Committee @ UCI	2018
Hosting Spring 2018 EECS Engineering Alumni Panel w/ 3 alumni and 60+ undergraduates	2018