Eric Vin

COMPUTER SCIENCE PHD STUDENT AT UCSC

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Education

University of California, Santa Cruz   *Santa Cruz, CA*

GPA: *September 2021 - Present*

- PhD in Computer Science

University of California, Santa Cruz   *Santa Cruz, CA*

GPA: 3.7/4.0   *September 2017 - June 2021*

- Bachelor of Science in Computer Science
- Bachelor of Arts in Computational Mathematics

Experience

Undergraduate Researcher in i-NRG Lab, University of California Santa Cruz   *Santa Cruz, CA*

UNIVERSITY OF CALIFORNIA, SANTA CRUZ   *February 2018 - June 2021*

- Worked on the PIMAP project under Katia Obraczka and Sam Mansfield at UCSC in collaboration with Dr. David Young of UCSF.
- PIMAP is "a system architecture that presents a standard to collect medical device data, store it and analyze it in the Cloud, in a secure and private manner".
- Designed the visual framework in addition to writing the interface with the Sentinel bandage for collecting, analysing, and visualizing skin impedance data, to interface with the PIMAP system. Worked on developing analytics for this data and a universal scale for evaluating pressure damage and risk.
- Working on senior thesis to extend the project with more in depth analysis and the creation of a universal pressure injury metric that is device agnostic.

Undergraduate Researcher in Design and Verification Lab, University of California Santa Cruz   *Santa Cruz, CA*

UNIVERSITY OF CALIFORNIA, SANTA CRUZ   *October 2019 - December 2020*

- Worked on the Wikitrust 2.0 project under Luca de Alfaro at UCSC.
- Wikitrust 2.0 is a revamped version of the original Wikitrust project. "WikiTrust is an open-source, online reputation system for Wikipedia authors and content".
- Actively involved in implementation of the algorithms in Python and researching theoretical improvements to the overall system.

Tutor and Reader at UCSC   *Santa Cruz, CA*

UNIVERSITY OF CALIFORNIA, SANTA CRUZ   *January 2020 - June 2021*

- Spring 2021: Reader for CSE 130 (Operating Systems)
- Spring 2020: Reader for CSE 120 (Computer Architecture)
- Winter 2020: Tutor for CSE 110A (Compilers)

Awards and Achievements

Patrick Mantey Undergraduate Leadership Award

                                                                               May 2020

- "The Patrick Mantey Undergraduate Leadership Award recognizes a Baskin School of Engineering undergraduate student who demonstrates outstanding leadership abilities and exhibits academic merit. Students, whose contributions represent the very best attributes and accomplishments in the community, are nominated by faculty (students do not apply) ... BSOE faculty nominate students for this award."
- Nominated by Katia Obraczka for my work on the PIMAP project.

NSF Research Experience for Undergraduates Fellowship

                                                                               June-July 2019

- Received a REU Summer Fellowship and Stipend from the National Science Foundation for my work on the PIMAP project at UCSC under Katia Obraczka and Sam Mansfield.

Skills

Languages   Python, Java, C, Haskell