

EVAN BENEROFF

computer engineer

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EDUCATION BS Computer Engineering, Cal Poly, San Luis Obispo, CA Expected 03/2018
3.273 GPA Dean's List: W2015, F2016, W2017, S2017 President's List 2016-2017

EXPERIENCE **GE Digital** *Digital Technology Leadership Intern* June 2017 - Present

Kohl's Corporation *Software Engineering Intern* June 2016 - September 2016

- Developed React.js and Node.js application for real-time monitoring of the Kohl's e-commerce servers. Dockerized to ensure zero downtime occurs. High visibility within the company.
- Developed UI of a managerial dashboard, utilizing JQuery & JSP, which displays histories of source control commits and continuous integration test runs. Tables and/or graphs are displayed depending on user selection, based on their role and team.

St. Jude Medical *Firmware Verification Engineering Co-Op* January 2016 - June 2016

- Performed requirements based firmware V&V of implantable cardiac monitoring device.
- Verified the battery measurement feature, which takes voltage measurements, performs calculations, limits functionality of certain features, and has high overall interactivity with firmware features.
- Developed high level test strategies and designs and implemented test cases in C# to verify firmware functionality aligns with documented specifications and requirements. Interpreted program generated trace files to debug test, firmware, and library code.
- Developed and deployed automated calibration procedures for electromyography, R-wave detection, and battery measurement.

PROJECTS ***Human-Computer Interaction Through Eye-Gaze Tracking and Support Vector Machine Classification*** - Allows users to operate a computer using only their eyes and facial gestures, achieved 85% accuracy for 9 point detection

streetSmart - Car Collision Detection and EMS Notification, leverages computer vision and street cameras to notify police when a car crash, fire, or pedestrian accident occurs

Fake News Analytics - A JQuery and Node.js web application with MLP neural network for news article authenticity prediction *UCSB Hackathon winner for best data visualization*

API Explorer - React.js & Node.js web application for manual API endpoint verification

SKILLS Proficient in: C, JavaScript/HTML/CSS, Python, Java
Python Frameworks: OpenCV, SciKit Learn, NumPy, SciPy, PyBrain
JavaScript Frameworks: React.js, Node.js, JQuery, Express.js
Other: Agile Development, Linux/Bash, Git/Github, Babel/Webpack, NPM

RELEVANT COURSES Systems Programming 357 (A), Computer Architecture (A), Operating Systems (B+), Computational Intelligence (A), Fundamentals of Computer Science I, II, III (A-, A-, A-)