JEFF COLLINS

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Education

Santa Clara University   September 2016 - Expected June 2020
Bachelor of Science, Web Design and Engineering, Dept of Computer Engineering
Relevant Coursework: Advanced Web Programming, Web Infrastructure, Advanced Computer Programming, Computer Networks, full Calculus + Physics sequence, Linear Algebra, Differential Equations, Discrete Math, Electric Circuits + Circuit Design/Analysis Lab, Website Graphic Design

Experiences

Santa Clara University | Senior Design Project   Santa Clara, CA
Ad-Hoc Mesh Wireless Network with AI Diagnosis Assistant   September 2019 - June 2020
- Working with a team of peers and faculty to create an inexpensive Mesh Wi-Fi software and hardware platform that can be deployed quickly and efficiently in the home or business using a mobile-app based placement assistant
- Learning Python to program the devices; using prior knowledge of circuit design to implement project

KarmaBoard   Palo Alto, CA
Co-Founder and Vice President of Engineering   July 2019 - September 2019
- Led a team of developers to create a scalable digital presence for a new startup company
- Created a product design cycle based on a roadmap of desired features to be implemented
- Designed and ensured consistency of brand identity

Applied Materials | ETCH   Santa Clara, CA
Software Engineering Intern   September 2017 - April 2019
- Created & managed an internal-use web server and UI for viewing data from tools; data parsed using REGEX
- Created succinct programming solutions to complex problems presented by tool data upload failures, unreliable tool measurements, discovering malfunctioning parts, and more
- Co-developed and updated a one-stop-shop data acquisition application to pull any data from any tool at any time for internal use
- Tested large-scale internal use software that my team developed

Leadership

Boy Scouts of America   San Jose, CA
Eagle Scout
- Awarded the highest honor possible in the Boy Scouts organization, Eagle Scout, at 14 years old
- Managed my entire fifty-scout troop as the president for six months
- Led troop in installing handmade benches and renovating garden in my Eagle Project (>450 total man hours)

Skills

Software / Programming Languages							Hardware
HTML	C	Java	Rails	PowerPoint	Adobe Illustrator	REGEX	Circuit Test Equip.
CSS	C++	PHP	Word	Outlook	Adobe Photoshop	Mathcad	PSPICE (TINA)
JavaScript	C#	Ruby/Gems	Excel	OneNote	Adobe XD	MATLAB	Circuit Simulators