Jeffrey Collins

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Education

SANTA CLARA UNIVERSITY | EXPECTED JUNE 2020

- **Major:** Bachelor of Science, Web Design and Engineering, Dept of Computer Engineering
- **Related Coursework:** Intro to Web Technologies; Advanced Web Programming; Web Infrastructure; Advanced Computer Programming; Abstract Data Types & Structures; Computer Networks; Principles, Design & Implementation of Programming Languages; full Calculus sequence; Differential Equations; Linear Algebra; Discrete Math; Probability and Statistics; full Physics sequence; Electric Circuits; Website Graphic Design

WEST VALLEY COMMUNITY COLLEGE | HS CONCURRENT ENROLLMENT, NIGHT SCHOOL

- **Related Coursework:** C++ based Computer Programming for Engineers; Calculus AB & BC

Work Experience

KARMABOARD | VICE PRESIDENT OF ENGINEERING | JULY 2019 – PRESENT

- Leading a team of developers and designers to create a cross-platform, scalable digital presence for a new startup company
- Implementing innovative programming techniques to add useful features to our product
- Creating and maintaining a product design cycle based on a roadmap of desired features to be implemented
- Designing and ensuring consistency of brand identity

APPLIED MATERIALS, ETCH | 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 | 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)

LOYOLA LEADERSHIP COMMITTEE | PRESIDENT | SEPTEMBER 2017 – JUNE 2018

- Directed the Loyola Leadership Community of Santa Clara University
- Planned over 10 large-scale events throughout the year while managing the community budget
- Increased my skill in team task delegation and conflict resolution

CIRCUIT DESIGN CAMP | INSTRUCTOR | JULY 2016 – AUGUST 2016

- Taught students the basics of circuit design; helped students build a siren and a simple radio

Skills

- **Software:** Programming Languages (C, C++, C#, Java, JavaScript, PHP, Ruby + Gems, Rails), HTML, CSS, Excel, Adobe Photoshop, Illustrator, & XD, REGEX (Regular Expressions), basic knowledge of Mathcad and MATLAB
- **Hardware:** Basic electronics test equipment, PSPICE (TINA) Circuit Simulation software