

Jeffrey Collins

Permanent Address: 7214 Glenview Drive, San Jose, CA 95120

Mobile: (408) 605-5903 | **Email:** htejeff@gmail.com

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 | CONCURRENT ENROLLMENT, NIGHT SCHOOL

- **Concurrent Enrollment** from Junior Year to Senior Year of High School
- **Related Coursework:** C++ based Computer Programming for Engineers; Calculus AB & BC

Work Experience

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
- Provided widespread data acquisition, compilation, analysis, and display for my team
- Co-developed a one-stop-shop data acquisition application to pull any data from any tool at any time for internal use; Updated every 2 weeks with new features
- Developed an application that performs statistics on tool log files
- Tested large-scale internal use software that my team developed

DOORDASH | FOOD DELIVERY DRIVER | JUNE 2016 – JULY 2017

- Developed my time management, communication, and customer service skills.

Leadership

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

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)

Skills

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