Jonathan Estrada

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EDUCATION

University of California, Irvine // 2018 - present
- Computer Science Major // Pursuing B.S. // Sophomore Standing // GPA: 3.9
- **Coursework:** Programming w/ Python, Software Libraries, Intermediate Programming, Software Engineering, Discrete Math, Computational Linear Algebra, Statistics, Computer Organization

American Canyon High School // 2014 - 2018
- Diploma // GPA: 4.0
- **Extracurriculars:** Robotics Club (President 2014-2018), Math Honors Society (President 2018)

SKILLS

Programming Languages: Python // C++ // Javascript // CSS // HTML
Technologies: NodeJS, ReactJS, Express, mongoDB, TensorFlow, Keras
Soft Skills: Leadership, Communication, Adaptability, Teamwork

EXPERIENCE

ACHS Summer Academy Tutor // June 2017 - July 2017
- Created lesson plans & lectures
- **Taught students** how to code in **Ch**, a derivation of **C++/C**
- Showed how to apply mathematical knowledge in practical applications

Napa Valley College Bookstore Sales Associate // July 2019 - September 2019
- Customer Service: answering customer questions and assisting with the purchase of merchandise or services
- Cashier/Register Duties: processing **sales transactions involving cash/credit**
- Kept track of store inventory and supplies

PROJECTS

Ch Libraries // Self-study // March 2017 - April 2017
- Created software library in **Ch (Derivation of C++ and C)** for high school robotics class
- **Library of modules**: make Linkbots (**modular robots**) drive in customizable and precise ellipses
- Multi-functional **robot APIs**

BillSplit // Full-stack Developer // April 2019
- HackSC: Designed a mobile **Android app**, splits a large party's bill by scanning a receipt
- Used **Taggun Optical Character Recognition** to recognize and read prices from receipt
- Used **Twilio** to send automated text messages to send bill information
- Used **Paypal's API** to allow bill recipients to pay securely

Digit / Natural Scenery Recognition // Machine Learning, Self-study // October 2019
- Utilized **TensorFlow** and **Keras** to create two **Convolutional Neural Network** models, used **NumPy** and **Pandas** libraries to prepare data
  - **Digits:** Trained on MNIST data, **98% accuracy** on validation set
  - **Natural Scenery:** Trained on data from Intel, **83% accuracy** on validation set

FindMyBoba // Back-end Developer // November 2019
- ZotHacks: Designed a **web-app** that will determine a user's current location and display an open, random boba place within a 10-mile radius.
- Built using **Javascript, HTML, and CSS in Node.js** with the **Express** framework and **React.js**.

- Utilized the **Yelp Fusion API** to generate results for reputable boba places.