Jonathan Estrada

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EDUCATION

University of California, Irvine // Pursuing B.S. in Computer Science // GPA: 3.92   June 2022
- **Dean's list** recipient for 6 consecutive quarters
- **Relevant Coursework:** IN4MATX 43: Software Engineering, ICS 6B / 6D: Discrete Math, ICS 6N: Computational Linear Algebra, ICS 51, 53: **Computer Organization & System Design,** ICS 46: **Data Structures**, CS 121: **Information Retrieval**, CS 122A: **Data Management/Databases**, CS 171: **Intro to Artificial Intelligence**

TECHNICAL SKILLS

Programming Languages: C, C++, Python, SQL, Javascript, CSS, HTML, PHP
Technologies: MySQL, NodeJS, ReactJS, Express, mongoDB, TensorFlow, Git

EXPERIENCE

Online Instructor // iD Tech Camps   July 2020 – September 2020
- Instructing middle/high school students in **10-12 one-on-one lessons per week** on **Lua** and **Python**
- Created lesson plans and curriculums tailored towards each student's interests and capabilities

Summer Academy Tutor // American Canyon High School   June 2017 - July 2017
- **Supervised/taught 30-40 students** how to code in **Ch**, a derivation of **C++/C**
- Showed students how to apply mathematical knowledge by coding **modular robots**

PROJECTS

FindMyBoba // Back-end Developer   November 2019
- Won **3rd Place in Best Overall Hack** and **Popular Choice Award**
- Collaborated in a group of 4 to design a **web application** during UCI's ZotHacks Hackathon, built using **Javascript, HTML, and CSS in Node.js** with the **Express** framework and **React.js**
- Determines a user's location with **Google Map's API** and uses **Yelp's Fusion API** to display an open, random bubble tea shop within a specified radius

BillSplit // Full-stack Developer   April 2019
- Designed a mobile Android app during USC's HackSC **Hackathon**: splits a party's bill by scanning receipts
- Utilized **Taggun's Optical Character Recognition, Twilio's API,** and **Paypal's API**

Artificial Intelligence - Minesweeper Agent // Academic Project   April 2020 - June 2020
- Programmed an AI agent in **Python** which **solves Minesweeper worlds**
- Implemented **model checking algorithms** with basic probability as heuristics to uncover tiles
- Out of 1000 random worlds, agent solves **80% of 8x8 10-mine worlds** & **70% of 16x16 40-mine worlds**

ACTIVITIES

Circle K: Technological Internship Program // Full-stack Developer   March 2020 - present
- Created and collaborated on a **Javascript-based visual mentor/mentee tree line** for UCI Circle K's website
- Improved on and designed a visual calendar, used **PHP**, **SQL queries** via **jQuery/Ajax** to retrieve event information from **MySQL** database