Troy Good

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EDUCATION

- **University of California, Irvine**   Irvine, CA
  B.S. Major: Computer Science | Minor: Statistics; GPA: 3.8   *Sep. 2018 - Jun. 2022*
  - **Relevant Coursework**
    Data Structures and Algorithms, Programming with Software Libraries, Principles in System Design, Software Engineering, Computer Organization, Boolean Logic and Discrete Structures, Linear Algebra, Probability and Statistics for CS, Statistical Methods for Data Analysis I-II

PROGRAMMING SKILLS

- **Languages**: Python, C++, C, Swift, HTML, CSS, R

PROJECTS

- **Good Chess**
  - A singleplayer chess game where players can enter their name, select their color, and select an AI opponent
  - AI was implemented using the minimax algorithm along with alpha-beta pruning for increased speed
  - All chess piece images were handcrafted pixel-by-pixel
  - Made with Python and the Pygame library

- **ChatUCI**
  - An iOS application that allows UCI students to communicate with one another via course-specific chatrooms
  - Handled user login and stored chatroom data using a Parse Server which utilized an underlying Mongo database
  - Pulled course data directly from the UCI website via web scraping and HTML parsing using the Alamofire and SwiftSoup libraries

- **EcoCart**
  - An iOS application that provides users with CO_2 emission estimates based on the contents of their shopping cart
  - Created in 36 hours at HackUCI 2020

ACTIVITIES/SOCIETIES

- **Campuswide Honors Collegium**
  Member   *Feb. 2020 - present*
  - A highly selective academic program that requires me to take four additional honors courses and participate in four quarters of undergraduate research under the direction of a faculty mentor

- **Artificial Intelligence at UCI**
  Lead Mentor   *May 2020 - present*
  - A nonprofit student-run organization that focuses on promoting and cultivating the discipline of artificial intelligence and machine learning and its applications among the UCI community
  - Responsible for planning workshops and coordinating talks given by mentors

EXPERIENCE

- **Libra**   Open Source Software
  Software Developer   *Jul. 2020 - Aug. 2020*
  - Libra is a machine learning API designed for non-technical users which automates the end-to-end machine learning process with just one line of code
  - Worked in the data team to implement a feature image graph that shows stage-by-stage image representations for a convolutional neural network