SEAN KELMAN

Computer Science Student | Passionate About Changing the World Through Technology

562-280-5532 | seanrkelman@gmail.com | WEBSITE | LINKEDIN | GITHUB

Education

University of California, Irvine   **Expected Jun. 2025**
Computer Science   *Irvine, CA*
- **GPA: 4.0/4.0, Dean's Honor List**
- **Relevant Coursework:** Python Programming and Libraries, Algorithms, Artificial Intelligence, C++, Data Structures, Computer Organization, System Design, Computer Networks, Formal Languages and Automata, Discrete Mathematics, Software Engineering

Experience

ICSSC - UCI   **Sep 2023 - Present**
Software Developer
- Contributed to development of AntAlmanac, a tool for UCI students to plan out schedules for upcoming quarters
- Performed code review, testing, and debugging to maintain web application
- Collaborated with other student developers to implement new features

Commit The Change - UCI   **Sep 2023 - Present**
Software Developer
- Developed web portal using React and SQL with team of other students to connect supermarkets and homeless shelters to feed the pets of homeless as part of partnership with Feeding Pets of the Homeless

Newhope Law   **Mar 2023 - Sep 2023**
Software Developer
- Leveraged Python to reduce operating costs by 33%
- Developed automated cloud filing programs for emails and attachments; and scanned documents based on the contents
- Built a web scraping program to gather dates of upcoming patent refiling for all cases

CIU Networks   **Jun 2023 - Aug 2023**
Software Developer
- Developed Python scripts to audit and automate ticketing for anomalies between two independent sources.
- Implemented user-friendly application to allow clients to create tickets, leveraged webhooks to submit form data to backend REST APIs

Projects

MicroMouse ↗ | *Java, Swing*   **Jul 2023 - Sep 2023**
- Developed a Maze Solving program that could be applied to a robot in a MicroMouse competition. I implemented many different pathfinding/solving algorithms, including Breadth-First Search (BFS), Depth-First Search (DFS), Djikstra's Algorithm, and A* algorithm.

Stock Option Web Scraper ↗ | *Python*   **Jan 2022 - Jun 2022**
- Optimized stock option investment by creating a Webscraper in Python using BeautifulSoup4, lxml, and requests to access HTML code of Yahoo Finance, then searched the HTML code for the necessary information, used an algorithm to calculate and sort by expected return. Created an accompanying program to display charts of the stocks to provide user with more information about suggested purchases

Technical Skills

Languages: C/C++, Python, Java, JavaScript, TypeScript, HTML, CSS, PHP, SQL, Kotlin, Powershell
Technologies/Frameworks: Angular.js, React.js, Node.js, TensorFlow, Sci-kit Learn, OpenCV, Flutter, Gradle
Developer Tools: Git, AWS