

Kai Campbell

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Motivated computer science student with a data-driven mindset and a passion for innovation. Aiming to secure a position that allows me to enhance my programming skills and collaborate with a team, leveraging my prior experience in projects.

Education

- **University of California, Irvine** Irvine, CA
Bachelor of Science Computer Science *Graduation expected in 2024*

Relevant Coursework

Python Programming, Java Programming, C++ Programming, C Programming, Data Structures and Algorithms, Software Design and Architecture, Introductory Software Engineering, Project Management

Project Experience

- **Journal Poster**
Python
 - Built a journaling application and Graphical User Interface that connects to a secure server through network sockets.
 - Pulled data from OpenWeather, Last.fm, and Spotify APIs to provide real-world data, and Encrypted journal posts by using NaCl (Networking and Encryption Library) generated private and public keys to keep posts secure.
- **Wordle**
MIPS Assembly
 - Created a playable version of the popular game Wordle using arrays and update functions.
 - Managed user input within a virtual grid and employed a word library checker to ensure valid inputs.
- **Tic Tac Toe**
Python
 - Utilized Pygame to create a board and Graphical User Interface, enabling users to play a game of Tic Tac Toe against artificial intelligence.
 - Implemented main menu and restart functionality to improve user experience and allow for options.
- **Weather API Application**
HTML, CSS, JavaScript, React
 - Developed a front-end application through React to display weather conditions and temperature in a requested region.
 - Utilized OpenWeather API to provide accurate data and change backgrounds depending on climate, enabling users to visualize requested data.

Skills

- **Key:** Relational Databases, Linear Programming, Abstract Thinking
- **Languages:** Python, C++, C, Java, MIPS Assembly, JavaScript, CSS, HTML, Bash, Powershell
- **Technologies:** Git/Github, Visual Studio Code, VMware Workstation, Docker, Microsoft Office, Eclipse, Adobe Photoshop, React, API work

Involvement

- **Association for Computing Machinery** Irvine, CA
Participant *2021-Present*
- **Tomo No Kai (Japanese Cultural Club)** Irvine, CA
Historian Intern & Family Lead *2021-Present*