Davis Jack Kim

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EDUCATION

University of California, Riverside   Riverside, California
Bachelors of Science - Computer Science   *Expected 2025*

Relevant Coursework: Data Structures and Algorithms, Automata and Formal Languages, Software Construction, Object-Oriented Programming, Linear Algebra, Machine Organization, Assembly Language, and Data Analysis Methods

SKILLS

- **Programming Languages:**   C++, Python, JavaScript, Swift, SwiftUI
- **Web Technologies:**   CSS, HTML, React.js
- **Development Tools:**   Git, GitHub, Jupyter Notebook, Node.js

PROJECTS

- **Theta Tau: Organization Website**   *March 2023 - Present*
  - Develop a complete end to end full-stack application utilizing **CSS**, **JavaScript**, and **ReactJS** for the user interface along with **Firebase** and **NodeJS** for server-side functionality.
  - Facilitate development efforts as the scrum master in weekly meetings among team of 4 to meet internal deadlines, overcome impediments, and promote continuous improvement.

- **Happy Clicker: iOS Application**   *July 2023 - September 2023*
  - Create a full-stack iOS application using **Swift** and **SwiftUI** which emulates a daily number counter used to register any positive feeling to reinforce focus on a positive mindset.
  - Design data management system to record and store user-generated data and notes for each day.
  - Plan future functionality in customization options including widget functionality, haptic feedback, and themes to enhance overall user experience.

- **Combat Chaos: Single Player Text-Based RPG**   *January 2023 - March 2023*
  - Designed 4 stages, each featuring distinct 4 difficulty levels, 5 purchasable items, and 4 enemies in **C++**.
  - Collaborated in a team of 4 developers, managing the project through **GitHub** while implementing **SOLID** design and object-oriented programming principles to ensure code maintainability and extensibility.
  - Utilized **Googletest** and **Valgrind** to identify and rectify code issues, achieving a memory leak-free program.

- **Pomodoro Timer: VS Code Extension**   *March 2023*
  - Integrated the Pomodoro timer seamlessly into the VS Code interface, providing a user-friendly experience with customizable settings using **TypeScript** and the VSCode API.
  - Developed the timer logic, including countdown functionality for Pomodoro work intervals and break periods.
  - Designed minimalist interface, incorporating features like start, pause, and reset buttons, as well as visual indicators for work and break phases.

EXPERIENCE

Residential Technical Assistant
University of California, Riverside   *September 2023 - Present*
  - Provide customer service to residents and external clientele, addressing technical needs, inquiries, and issues through email, phone call, and in-person meeting.
  - Set up, operate, and troubleshoot audio/visual equipment for events, assist with computer station setups, and troubleshoot internet connectivity issues.
  - Collaborate within a team of 10 members to efficiently manage, share, and optimize limited resources to achieve set deadlines.

Executive Board Scribe
Theta Tau, Co-Ed Professional Engineering Fraternity   *March 2023 - Present*
  - Ensure accurate recording of minutes for all meetings and maintain organization records.
  - Oversee office members responsible for website development, photography, and social media management.
  - Establish the professional maintenance, engagement, and status of online presence.