JENNIFER KIM

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EDUCATION

University of California, Los Angeles (UCLA)   Expected June 2024
B.S in Computer Science, Minor in Digital Humanities
- GPA: 3.67/4.0, Dean's Honor List
- Relevant Coursework: Programming Languages, Object-Oriented Software Development, Data Structures, Computer Graphics, Artificial Intelligence, Computer Architecture, Algorithms and Complexity, Data Management Systems, Discrete Structures, Operating Systems, Data Science, Logic Design of Digital Systems, Formal Languages and Automata Theory, Computer Networks, Linear Algebra

EXPERIENCE

Atlassian | *Software Engineer Intern - Trello Ecosystem*   June 2023 - September 2023
- Implemented concurrent custom field updates for users by developing and deploying a RESTful API within the Trello platform using Javascript
- Proficiently diagnosed, debugged, and resolved front-end bugs within the JIRA platform utilizing Trello
- Developed and designed a comprehensive TypeScript-based Google Drive Editor Extension package for seamless integration within Confluence and Trello environments

Daily Bruin | *Software Engineer Developer - Online Main Site*   January 2022 - September 2023
- Leveraged JavaScript to translate designers' conceptualizations into functional code and deploy featured web pages
- Methodically optimized website page layouts by investigating component errors and sizing discrepancies within the CSS framework

Marvell Technology, Inc. | *Firmware Engineer Intern - NAND Solutions*   June 2022 - September 2022
- Created Firmware package for Voltage Threshold collection on NAND cards by aggregating existing Python test scripts and delivering a combined output
- Wrote a test script to determine the optimal read level on NAND cards by parsing millions of data points using Python libraries
- Authored a comprehensive guide detailing the setup process for a Firmware testing environment. This involved gathering research on both hardware and software configurations

PROJECTS

Curiocity
- Collaborated on developing a user-centric mobile application that offers personalized exploration of local activities
- Led the front end development by designing and managing app layout, handling user input processing, and interfacing with the back-end database through API calls for seamless data interactions
- Utilized Android Studio to deploy and execute the app with React Native

Kindling
- Built a friend matchmaking website from the ground up by employing ReactJS for the front-end and MySQL for database management
- Engineered smooth real-time data presentation through effective server-side data searches
- Coded the website's layout and made functional components using Javascript and CSS

Animated 3D Block
- Programmed a user-interactive animation game reminiscent of Bloxorz by utilizing WebGL
- Executed 3D rendering of a block exhibiting translational and rotational movements on a dynamic platform
- Managed interactions between the block, goal, and platform by implementing collision detection algorithms

SKILLS

- Programming Languages: Python, Javascript, Typescript, CSS, C++, C, SQL
- Technical: ReactJS, React Native, Linux/Unix, Shell, HTML, Visual Studio, XCode, PyCharm, NextJS, Node, MySQL/ PostgreSQL, Firebase, LISP, Relational Algebra, Git/Github, Verilog, Jupyter Notebook, Arduino IDE, Ubuntu, Docker, Postman, WebGL, Three.js, Blender, Spline