Hoa Ta (Helen)

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Education

University of California, Irvine   June 2024
Bachelor of Science in Computer Science (GPA: 3.5 / 4.00)   *Irvine, CA*
- **Relevant Coursework:** Boolean Algebra, Software Engineering, Algorithms, Statistics, Machine Learning and Data Mining, User Interaction Software, Database Management, Computer Network

Orange Coast College   May 2022
Associates of Science in Computer Science (GPA: 3.9 / 4.00)   *Costa Mesa, CA*
- **Relevant Coursework:** Java Programming, C++ Programming, Computer Architecture, Data Structure, Discrete Structure, Calculus, Linear Algebra and Diff. Equations

Experience

Corent Technology Inc   Jan 2024 – May 2024
SaasOps Specialist   *Remote*
- Developed a SaaS product from open-source applications, implemented subscription models, and successfully deployed the application for launch on the AWS Marketplace. Leveraged expertise in AWS cloud services and Corent's SaaSOps to ensure a smooth and efficient development process.
- Utilized entrepreneurial skills to launch a fully functional website promoting QuickDolibarr, a cloud-based SaaS application based on an open-source ERP and CRM software. This resulted in an effective platform for customers to purchase and explore its features.

University Corporation of CSU Monterey Bay   Sep 2022 – Dec 2022
Student Assistant   *Remote*
- Planned group activities to engage students and encourage attendance. Checked in with students to help them maintain good progress. Helped a group of 30 students with coding problems and answered questions related to the program and internship search.
- Tracked each student's progress, sent reminders, and provided encouragement to ensure they remained focused on their goals, resulting in a 20% increase in attendance.

South Dakota State University   May 2022 – Aug 2022
Undergraduate Student Researcher   *Brookings, SD*
- Exploreded physics-informed neural network concepts from research papers and its Tensorflow implementation. Generated new data sets using MATLAB and conducted research on network performance resulting from different parameters.
- Attended South Dakota EPSCoR Research Symposium to report findings on physics-informed neural networks and presented the findings to symposium attendees and at the AAAI conference.

Projects

Fabflix Movie Database Web App | *Java, JS, MySQL, JDBC, HTTPS, RESTful APIs, Tomcat, AWS, Android, reCAPTCHA*
- Developed architecture from scratch and implemented an extensive frontend using JavaScript, jQuery, and AJAX, while also adapting the frontend functionality to seamlessly integrate with an Android app, ensuring consistent user experience across platforms by utilizing the same backend API.
- Designed and implemented a website with 15 medium features, including display catalog of 1000 movies, secure login with SHA256 hashing, bot detection with reCAPTCHA, and full-text search.

Spotify Browser in Angular | *JavaScript, jQuery, Angular, Node.js, Handjack.js*
- Developed a Spotify Music Browser webpage utilizing the Spotify API. Created a frontend interface using Angular and enabled searching for artists, albums, and tracks.
- Established communication with a Node.js/Express backend server to browse Spotify music. Implemented gestural control functionality using the Handjack.js library for enhanced user interaction.

Technical Skills

Programming Languages/Technologies: Python, C++, Java, HTML/CSS, Javascript, Node.js, Express.js, React.js, Git/GitHub, VSCode, PyCharm, IntelliJ, Jupyter Notebook, Android Studio, AWS, SQL, NoSQL, SAS
Language: English, Vietnamese