Jessica Trans

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EDUCATION

University of California, Davis　　　　　　　　　　　　　　　　　　　　Sep 2020 - Jun 2024

Bachelor of Science in Computer Science | Minor in Asian American Studies

- Coursework: Operating Systems, Web Programming, Object-Oriented Programming, Data Structures, Algorithm Design and Analysis, Computer Architecture, Computer Network, Machine Dependent Programming in x86 Assembly

EXPERIENCE

Software Developer Intern | ASP.NET, C#, HTML SASS, XML, SQL, Visual Studio, Figma　　　Apr 2023 - Sep 2024

UC Davis IET Enterprise Student Applications　　　　　　　　　　　　　　　　　　Davis, CA

- Led the development and design of workflow step and flex table control, improving functionality and accessibility
- Implemented 7+ UI components and 2 pages; contributed to 32% of JIRA backlog resolution on the Online Advising Student Information System (OASIS) and Advising Appointment System (AAS) sites for superior client experience
- Updated course catalog data for XML files and populated degree audit interface used by advisors in 200+ programs
- Mentored newly hired developers on programming and UX/UI design; 15% reduction in ServiceNow request tickets
- Utilized SourceTree for Git repository management; performed database updates with SQL Server Management Studio

Pre-College Outreach Program Assistant | HTML, CSS, JavaScript, Python, R, Latex　　　Mar 2023 - Sep 2024

Mathematics Engineering Science Achievement (MESA)　　　　　　　　　　　　　　Davis, CA

- Directed a web development bootcamp (HTML, CSS, and JavaScript) for over 28 high school students in the Northern California region; utilized R and Latex to analyze student performance and generate data entry end-of-year reports
- Created Python exam problems on CodeHS and proctored over 10 schools participating in MESA Regional Coding Competitions and MESA Day; supported by having effective communication with over 150 participants

Software Developer | React Native, HTML, CSS, Express.js, Node.js, MongoDB, Figma　　　Feb 2023 - May 2023

Daily MOOd (CodeLab)　　　　　　　　　　　　　　　　　　　　　　　　　　Davis, CA

- Gathered more than 16 user research and testing sessions to develop a user-centric mobile application that empowers UC Davis students to set self-care goals, promoting mental health and well-being
- Created interactive mood pages and components that make TwinWord API calls, updating the database with Mongoose
- Performed tests on RESTful APIs using Insomnia with MongoDB, increasing efficiency and optimizing development

PROJECTS

Sporty iOS App | SwiftUI, Xcode, Figma　　　　　　　　　　　　　　　　　　Jan 2025 - Present

- Develop an iOS app to connect users with shared sports interests, expand their network, and organize sports events
- Collaborate with a UX/UI designer to optimize design and user experience based on Apple's human interface guidelines

Heart Attack Risk Prediction Web App | Flask, Pandas, Kaggle　　　　　　　　　　　Nov 2023

- Tested 3 machine learning techniques on 24 attributes from 8,763 patient records based on a diverse medical dataset
- Created a web application that utilizes the neural network predictive model to assess the risk of heart attacks accurately

Air Hockey Table | Python　　　　　　　　　　　　　　　　　　　　　　Apr 2023 - May 2023

- Collaborated with various STEM majors to design and build the construction project within a 3-week time limit
- Worked with 16 engineers; used Arduino Mega compatible with Python RGBmatrixPanel library for scoreboard display

SKILLS

Languages/Databases	C#, C, C++, Python, HTML, CSS/SASS, JavaScript, Java, R, XML, SQL, SQLite, MongoDB
Frameworks/Libraries	ASP.NET, SwiftUI, Flask, Bootstrap, React Native, React.js, Node.js, Express.js
OS/Tools	MacOS/Linux/Windows, VSCode, Xcode, Confluence, Jira, SourceTree, Git/GitHub, Figma