Jessica Trans

Patterson, CA | jesstrans02@gmail.com | (209)319-6690 | linkedin.com/in/jessicatrans/

EDUCATION

University of California, Davis *Sep 2020 - Jun 2024*
B.S. in Computer Science | Minor in Asian American Studies
- Coursework: Object-Oriented Programming, Data Structures, Computer Architecture, Computer Network, Operating Systems, Machine Dependent Programming in x86 Assembly, Algorithm Design and Analysis, Web Programming

WORK AND LEADERSHIP EXPERIENCE

Software Developer Intern *Apr 2023 - Sep 2024*
UC Davis IET Enterprise Student Applications *Davis, CA*
- Assisted with a backlog of .NET technical projects and web development tasks such as redesigning OASIS, updating course catalog data for XML file generation, and populating degree audit interface used by advisors in 200+ programs
- Streamlined workflow using Jira/Confluence for task communication, SourceTree/GitHub for Git repository management and CI/CD pipelines; database updates using Microsoft SQL; shadowed small-scale projects in DevOps

MESA Pre-College (Middle and High School) Outreach Program Assistant *Mar 2023 - Sep 2024*
Mathematics Engineering Science Achievement (MESA) *Davis, CA*
- Proctored 10 schools participating in MESA Regional Python Coding Competitions and MESA Day, ensuring smooth operations and effective communication with participants, parents, and staff members; provided technical support
- Organized an HTML, CSS, and JavaScript Web Development Bootcamp for high school students in the Northern California region; created data entry reports using R and LaTeX, instructional materials, and project guidelines

PROJECTS

Redesign OASIS — **Full Stack Project** *Jun 2023 - Sep 2024*
- Enhanced the user experience of the Online Advising Student Information System (OASIS), a critical tool for UC Davis students and advisors; implemented improvements to optimize the tools and services for superior client experience
- Designed and implemented workflow step and flex table control; improved the visual appeal and functionality of report panel tables by using the data table factory method to parse and filter raw data into string data for the data tables
- Utilized ASP.NET, C#, HTML, SASS, Figma to drive a seamless UX/UI design process, resulting in a user-friendly interface

DUEN Website — **Davis Undergraduate Engineering Network** *Oct 2023 - May 2024*
- Enhanced the DUEN club website (https://duendavis.vercel.app/) with regular content updates and bug fixes
- Utilized Next.js and React on Vercel, resulting in a 10% increase in user engagement for UC Davis students

Daily MOOd — **Full Stack Project for CodeLab** *Feb 2023 - May 2023*
- Developed a user-centric mobile application, with React Native, to help empower UC Davis students to track their moods, set self-care goals, promoting mental health and well-being; conducted user research and testing
- Used Insomnia to test REST APIs to MongoDB; backend uses Node.js, Express.js, Mongoose to interact with the database

Simple Day — **Hackathon** *Apr 2022*
- Gathered insights and data from 20+ UC Davis students to identify key features essential for mitigating decision fatigue
- Brainstormed and prototyped on Figma; utilized HTML, CSS, JavaScript, APIs, and Bootstrap to create a google extension

SKILLS

Languages: C# C C++ Python HTML5 CSS/SASS JavaScript Java RISC-V x86/x64 MATLAB R XML LaTeX
Frameworks/Tools: ASP.NET UNIX/Linux React/React Native SQLite/SQL MongoDB Git/GitHub Jira
Graphic Design Tools: Figma Blender Procreate Photoshop Clip Studio Paint Aesprite