EMILY HERNANDEZ

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EDUCATION

Georgia Institute of Technology   **Expected Graduation: December 2026**
Master of Science in Computer Science with a specialization in Human-Computer Interaction   GPA: 4.00

Merced College   **Fall 2023**
Additional Coursework in Linear Algebra, Advanced C++ Programming, App Development using Python   GPA: 3.643

University of California, Davis   **Graduation: June 2022**
Bachelor of Arts in Psychology   GPA: 3.226

SKILLS

- **Frameworks:** React.JS, Next.JS, Tailwind CSS, Drupal
- **Languages:** Swift (Proficient), JavaScript (Proficient), Java (Proficient), Python (Proficient), PowerShell (Proficient)
- **Tools:** Amazon Web Services (Appstream 2.0, Athena), Git, Android Studio

PROFESSIONAL EXPERIENCE

Computer Lab Manager   **December 2023 to Present**
Office of Information Technology | *University of California, Merced*
- Led university-wide OS upgrade and hardware refresh by selecting, procuring, and deploying 167 workstations and monitors.
- Managed Remote Lab infrastructure via AWS (AppStream 2.0, Athena), overseeing deployment and maintenance of virtual instances.
- Administered server-based imaging, license renewals, and software deployments for 300+ Windows systems using Powershell.
- Improved it.ucmerced.edu/aet webpages with new layouts, accessibility features, icons, and information using JavaScript, HTML, CSS.

Internship in Software Development   **September 2023 to May 2024**
Bay Valley Tech | *Modesto, California*
- Implemented interactive features with JavaScript, React, and Next.JS to create a Discord clone application.
- Facilitated the release of new features and fixes as part of a team of 7 developers using Git for version control.
- Developed web pages to incorporate fundamental design principles and enhanced user satisfaction by 80%

Undergraduate Research Assistant   **February 2020 to December 2020**
University of California Pavement Research Center | *University of California, Davis*
- Collected hundreds of samples and prepared specimens of pavement related materials for testing.
- Utilized MATLAB for data analysis of full-scale accelerated pavement test results produced by a Heavy Vehicle Simulator.

Research Assistant in Cardiovascular Tissue Engineering   **May 2018 to November 2018**
Center for Cellular and Biomolecular Machines | *University of California, Merced*
- Generated visual data of layered microscopy images showing epithelial tissues, nuclei, and cell membranes.
- Cultured myocardial cells to contain samples of dye for the analysis of cellular structures under fluorescence microscopy.
- Presented research at a NSF poster session and the radio show *Community Conversations* with Roger Wood.

PROJECTS

Valt   **June 2025 to September 2025**
iOS Project | *on GitHub: https://github.com/emilych7/Valt*
- Designed on Figma and built using Swift for iOS and iPadOS
- Leveraged an OpenAI API reference for personalized prompting

www.emilychrisann.com   **June 2024 to September 2025**
Personal Website | *on GitHub: https://github.com/emilych7/emilyswebsite*
- Developed using Next.js and React.js, using Web3Forms Email Service API
- Styled with Tailwind CSS for responsive and accessible user interface on mobile and desktop web environments

CERTIFICATIONS & ASSOCIATIONS
Google IT Support Professional - *Coursera*   **August 2023**