Jasmine Chao

✉ jasminechao12@gmail.com ✆ (925) 788-8762 in linkedin.com/in/jasminechao12 ⌽ jasminechao12

Education

Carnegie Mellon University Pittsburgh, PA   *May 2026*
Bachelor of Science in Electrical and Computer Engineering
Overall GPA: 3.72

Relevant Courses

Intro to Computer Systems	Intro to Embedded Systems	Web Application Development
Structure and Design of Digital Systems	Signals and Systems	Electronic Devices and Analog Circuits

Skills

Programming Languages: Python, C, Java, Javascript, HTML/CSS, Assembly, SystemVerilog, YAML, Bash
Languages: English, Spanish
Tools: Git, Visual Studio, Vim, Flask, Django, Heroku, AWS EC2, Agile, RHEL, Ansible, GDB, Valgrind, REST APIs, Postman, Vivado, LaTeX, ANSYS, CAD, 3D Printing, Laser Printing, Adobe Photoshop

Projects

OpenCHAMI Lawrence Livermore National Laboratory   *2025*
Implemented OpenCHAMI, an open-source software to make HPC systems more cloud-like, across multiple HPC deployment architectures to enable inter-node communication and cluster management.
AI Document Parser Photon Commerce   *2024*
Developed a document processing solution leveraging both OpenAI and Anthropic APIs to optimize model performance for extracting data from PDFs and images for invoices, receipts, receivables, insurance statements, bills of lading, and bank statements.
Traffic Detecting AI Model   *2022*
Collected data and trained model to detect objects in urban environments. Used Kaggle for datasets, YOLOv4 for object detection, and Flask for deployment.
Text Summarizing AI Model   *2022*
Developed AI based text summarizer using RNNs, transformers, and Heroku. Enhanced model performance to generate accurate, concise summaries.

Work Experience

Lawrence Livermore National Laboratory HPC Intern Livermore, CA   *June 2025-Aug 2025*
Setup a Linux HPC cluster manually, then automated this process using Ansible. Gained comprehensive understanding of HPC system management principles and additionally learned about virtualization, containerization, and container management.
Photon Commerce Software Engineering Intern San Francisco, CA   *May 2024-Aug 2024*
Utilized REST APIs and conducted research to refine AI model methodologies. Focused on maximizing accuracy and reliability.
Beauti Dental Laboratory Pleasanton, CA   *Mar 2020-Aug 2023*
CAD Designed dental restorations such as night guards and retainers using Exocad and PDC software.

Activities

NCAA Softball Athlete Carnegie Mellon University   *Aug 2023-Present*
Develop strong teamwork skills, strengthen time management skills, demonstrate adaptability and coachability qualities.
Society of Women Engineers Carnegie Mellon University   *Aug 2023-Present*
Mentor high school students interested in STEM and participate in volunteer activities inspiring through workshops and informational sessions.
IEEE Carnegie Mellon University   *Aug 2023-Present*
Engage with alums and other students, exploring career paths and industry insights. Attend technical workshops and seminars.
Vex Robotics Dublin Robotics   *Aug 2019-Mar 2022*
Competed in VEX Robotics competitions. Made it to the 2020 VEX Robotics World Championship.

Honors

Spring 2025 CIT Dean's List   *May 2025*
Fall 2024 CIT Dean's List   *Dec 2024*
Contra Costa Association of Realtors Scholarship Recipient   *May 2023*