# Gayvalin (Tammy) Sujaritchai

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## Education

Pasadena City College (Pasadena, CA) 2021 - 2024
A.S.Computer Science and Engineering  (GPA 3.9) (Expected Transfer: Fall 2024)
- Activities: She.Codes President, Data Science Club Consultant, NASA Space Apps Local Lead, Academic Affairs Committee, Honors Program, Lancer Motorsport ICC Representative, MESA

## Experience

California Institute of Technology (Caltech), Pasadena, CA Nov 2022 – Present
**Software Development & Research Intern**
- Developing a Python package which detects internal methionine and generates TIS sequence to control expressions of ORFs using pandas, biopython, and seaborn to assist expression analysis.
- Assisted the Shapiro Lab (mentor: Ishaan Dev) with the ongoing research involving mammalian cells engineering for therapeutic usage (novel toolkit enabling polycistronic expressions in mammalian cells)

Google, Computer Science Research Program (CSRMP), Virtual Feb 2023 – May 2023
**Computer Science Research Mentee**
- Conducted in-depth analysis of research papers in the field of computer science with the focus on human-Computer interaction and visualization.

LA-Tech and Microsoft, Virtual Sep 2023 – Nov 2022
**Microsoft Tech Academy Scholar**
- Developed virtual machines for webserver and offsite backup machines using Microsoft Azure, Amazon Web Services (AWS), WordPress, and SQL.
- Installed Ubuntu server, configured security, and role management system

## Skills

Programming Languages: C++, Python, HTML, CSS
Tools: Pandas, Scikit-learn, Seaborn, Matplotlib, Biopython, Jupyter Notebook, Numpy, Azure, WordPress
Languages: Thai (native), English (native), Chinese (intermediate)

## Leadership & Honors

**President,** She.Codes Club, Pasadena City College May 2022 – May 2023
**Club Consultant,** Data Science Club, Pasadena City College Aug 2022 – Present
**Youth Leader,** United Nations Development Programme of Thailand June 2021 - Jan 2022

## Projects

**SemperRecode** (Python, Pandas, Biopython, Seaborn) June 2023 – Present
- Detects internal methionine and generates TIS sequence to control expressions of ORFs

🔗 **StockMaster: Inventory Management System** (C++) Oct 2022 – Dec 2022
🔗 **Personal Portfolio** (HTML5, CSS, JavaScript) Aug 2022
🔗 **Kare - Solutions For Elderly** (HTML5, CSS, Qoom), Superposition VI Hackathon June 2022