TAI NGUYEN

San Jose, California ◆ 408.717.3106 ◆ taituannguyen408@gmail.com
https://www.linkedin.com/in/tai-nguyen-evc2023/

SUMMARY:
Detail-oriented Applied Math major with experience in programming and data analysis is seeking an internship to leverage and apply these skills in a real-world setting, ideally in biotech or life sciences.

EDUCATION:
San Jose State University, San Jose, CA   **Expected graduation May 2025**
 B.S. in Applied Math
Evergreen Valley College, San Jose, CA   **June 2023**
AS-T in Computer Science

SKILLS:
- **Programming Languages**: Java, C
- **Relevant Courses:** Programming in Java, Data Structures, Computer Systems, Discrete Structures, Programming in C, Applied Probability and Statistics
- **Collaboration Skills:** Teamwork, organization, communication, fast learner, adaptable, innovative
- **Collaboration Tools:** Microsoft Office (Word, Excel, PowerPoint, Outlook), Google Suite (Docs, Sheets, Slides, Drive)
- **Technical Skills:** Computer-Aided Design (CAD), information technology, computer maintenance

EXPERIENCE:
College Corps Fellow (SJSU College Corps)   **August 2023 - Present**
- Provide computer programming enrichment through Scratch to over a dozen elementary school students
- Foster creativity and problem-solving capabilities among elementary school students
- Collaborate with peers to develop engaging and educational coding curriculum materials
- Actively participate in coding projects trainings, team meetings, and weekly seminars, contributing to an engaging learning community

Computer Numerical Control Machinist (Advance Tek)   **May 2022 - April 2023**
- Operated YCM machines proficiently, executing code input and overseeing setup of printing materials for efficient 3D printing production
- Ensured smooth operations by closely monitoring the process and addressing any code-related issues on a daily basis
- Conducted thorough inspections of the finished parts to verify their quality and adherence to specifications

Tech Support (Stratford)   **May 2021 - July 2021**
- Provided online customer service to over 100 customers, adeptly assisting them in locating product keys
- Managed inventory operations, ensuring organization to optimize store efficiency
- Handled financial transactions of the store websites and ensured the security of the company cash flow

PROJECTS:
Bitwise Class Organizer:
- Developed a C program utilizing bit manipulation and preprocessor directives to create a robust "Schedule" system
- Implemented a structured data model to accurately represent class sections
- Utilized advanced bit manipulation techniques to efficiently handle and represent days of the week within the program
- Engineered a function to meticulously analyze class section data, enabling detection of time conflicts based on days, start time, and end time parameters

Banking Simulator:
- Implemented a program in C, "banking.c" to simulate a bank account and calculate interest for each year
- Implemented a structure to represent bank accounts with account number, balance, and interest rate
- Created a function to calculate and update the balance by adding interest annually
- Utilized an array of bank accounts and iteratively updated the balances for each account
- Printed the details of each account, including the account number and updated balance