

## **Tyler Tam**

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## **SUMMARY**

Highly motivated Computer Science graduate with a strong foundation in programming, web development, and networking. Proven experience in teamwork, community engagement, and technical problem-solving. Adept at using programming languages, virtualization tools, and version control to deliver effective solutions. Seeking a role where I can leverage my technical expertise and collaborative skills to contribute to innovative projects.

## **SKILLS**

### **Technical Skills**

**Programming Languages:** Java, C++, Python, JavaScript (JS)

**Web Development:** HTML, CSS, JavaScript, responsive design

**Networking Tools:** Wireshark, Scapy

**Virtualization:** VMware, VirtualBox

**Version Control:** Git, GitHub

### **Software & Tools**

Microsoft Office Suite (Word, PowerPoint, Excel)

Google Workspace (Docs, Slides, Sheets)

Spreadsheets and data analysis

### **Soft Skills**

Effective communication and collaboration

Strong organizational and teamwork abilities

Adaptability and problem-solving

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## **EXPERIENCE**

### **Boys & Girls Club, San Francisco — Teen Staff**

*June 2016 – August 2016 & June 2017 – August 2017*

- Supervised and ensured the safety of children during activities within the clubhouse.
- Chaperoned children on educational and recreational field trips.

- Contributed to maintaining a positive and inclusive environment for participants.

#### Alemany Farm, San Francisco — *Intern*

June 2019 – August 2019

- Assisted in sustainable farming initiatives, including planting and maintaining crops.
  - Performed manual tasks such as weeding, composting, and maintaining garden health.
  - Promoted community engagement through active participation in farm operations.
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## PROJECTS

### Personal Portfolio Website

- Designed and developed a React app portfolio website showcasing personal projects and providing resume and contact information, using HTML, CSS, and JavaScript.
- Integrated GitHub repositories for project previews and documentation.
- Utilized version control (Git) to track development and updates.

### Network Analysis with Wireshark and Scapy

- Conducted real-time network traffic analysis using Wireshark.
- Automated packet analysis scripts with Python and Scapy to identify anomalies.
- Analyze packets obtained from wireshark: its source and destination
- Compare Scapy outputs with wireshark packets

### Productivity website

- Team project, a responsive stack app for helping with productivity
- Community and disturbed tasks to each member and ensure everyone is up to date
- Allows users to create and delete their accounts
- Users can create and track tasks as a way to help their productivity
- Each task has a due date and a record log to see how long has a person working on a specific task
- Has a summary feature to show the number of tasks completed and tasks per category over a selected period
- Frameworks: React, MySql, express js, Rest API, Git

### Messaging app

- Team project: stack application that allows users to communicate with one another
- Allows users to create an account and add friends
- Users can select a person from a list of users and start a conversion with them
- Frameworks: Reacts js, Java, MongoDB

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## EDUCATION

### **San Francisco State University, San Francisco**

*Bachelor of Science in Computer Science*

*Fall 2019 – May 2024*

- Relevant Coursework: Data Structures, Algorithms, Database Systems, Computer Networks, Web Development, Operating Systems, human-computer interaction,
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## VOLUNTEERING

### **SF Marin Food Bank:**

- helped to take large bags of rice and put them into 1lb bags
- help remove rotted vegetables/fruits from the bins
- clean up the workstation after finishing

### **SF Parks and Rec**

- help staff set up for multiple large events: putting out chairs and tables
  - walk around the event to fix and correct any issues/problems
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## INTERESTS

- Open-source contributions
- Gardening and sustainable farming
- Traveling and exploring new cultures