

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

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.

Aleman 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 conversation with them
- Frameworks: Reacts js, Java, MongoDB

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,

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