

Alex Tokita

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EDUCATION

University of Utah

Aug 2021 – May 2025

Honors Bachelor of Science in Computer Science

Salt Lake City, UT

- GPA: 4.00
- Relevant Coursework: Algorithms, Computer Systems, Machine Learning, Parallel Programming, Software Skills I & II, Database Systems, Computer Architecture, Data Structures & Algorithms, Accelerated OOP, Discrete Structures, Found. of Data Analysis, Linear Algebra, Engineering Probability & Statistics, Engineering Calculus II

EXPERIENCE

Teaching Assistant - School of Computing

Jun 2023 – Present

University of Utah for Data Structures and Algorithms Course

Salt Lake City, UT

- Assist over 200 students in **Java**-based class by offering help hours, leading lab sections, responding to online Q&As, and providing feedback through grades and comments.
- Account for 28% of online student question responses amongst eight other TAs.

Software Engineer Intern

May 2023 – Aug 2023

O.C. Tanner

Salt Lake City, Utah

- Coded projects, scripts, and vulnerability fixes using technologies including **Java**, **Python**, GraphQL, Kafka, OAuth 2.0, HTML, CSS, and JavaScript.
- Operated within **Agile methodologies** on two simultaneous sprint teams.
- Contributed to backend development for **SSO/Auth** systems and email distribution systems.
- Designed and implemented a language translation proof of concept. Successfully pitched the project to VP of Product, the VP of SWE, and to 120 people in the tech department's "Demo Day."

Undergraduate Researcher - School of Computing

Nov 2022 – May 2023

University of Utah under Professor Prashant Pandey

Salt Lake City, UT

- Conducted a research project in **C++** on scalable, dynamic (streaming) graphs.
- Worked to implement a well-known algorithm called the Bentley-Saxe transformation on state-of-the-art static graph representations to create efficient dynamic graph representations.

PROJECTS

Dynamic Translation POC for O.C. Tanner | *JavaScript, HTML, CSS, Google Cloud APIs*

Jul 2023

- Created a proof of concept website demonstrating how Google Cloud Translation APIs can be utilized to translate user-generated content, from one language to another, on the fly.
- Implemented four key use-cases for increasing multinational engagement for O.C. Tanner's recognition websites.

Sprite Editor | *C++, MVC Architecture, Signal-Slot Communication, JSON*

Mar 2023

- Collaborated with a 5-person team to create a sprite editor for drawing pixel-based images and animations.
- Utilized UTF-8 encoding to compress frame data and store them via JSON.

Spreadsheet | *C#, JSON, .Net Maui GUI, Dependency Graphs, Version Support*

Sep 2022

- Programmed a multi-functional, expression-calculating spreadsheet with a .NET Maui GUI and implemented a parsing algorithm backend.

TECHNICAL SKILLS

Languages: Java, C, C++, C#, SQL, HTML/CSS

Tools: Git, GitHub, Eclipse, Docker, Linux

Some Experience: Python, JavaScript, REST APIs, GraphQL, Kafka, AWS, OAuth 2.0

INVOLVEMENT

Officer - Director of Finance

May 2022 – Present

Asian American Student Association (University of Utah)

Salt Lake City, UT

- Funded and organized 44 events in the 22-23 school year with each event averaging over 50 attendees, peaking at 217 attendees.
- Raised over \$9000 for the club by hosting fundraisers, negotiating funds from the university, and securing private donations, increasing net association funds by 13%.
- Increased yearly funding from the university by 1230% from \$429.00 to \$5,279.30 by submitting frequent and meticulous budget requests.

Competitor & Member

Aug 2022 – Present

Competitive Coding Club (University of Utah)

Salt Lake City, UT

- Competed in the International Collegiate Programming Contest Rocky Mountain Regionals at BYU.
- Practice competitive coding problems weekly alongside other students using **Java**.