

# Steven Tan

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## EDUCATION

### University of Michigan - Ann Arbor

Ann Arbor, MI

B.S.E. in Computer Science - GPA: 3.74/4.00

May 2023

Relevant Coursework: Data Structures and Algorithms, Advanced Operating Systems, Web Development, User

Interface Development, Computer Game Design and Development, Software Engineering, Computer Vision

## PROFESSIONAL EXPERIENCE

### Amazon Web Services Inc

New York, NY

Software Development Engineer Intern

June 2022– December 2022

- Designed and implemented full-stack system to report advertising metrics to customers, resulting in 80% lower negative feedback rate and 2x increase in performance from previous promotion experiments
- Developed front-end **React** UI to display campaign details for first 10 beta users across 25+ campaigns
- Devised solutions for performing updates to unfamiliar backend systems and created 2 knowledge sharing documents detailing efforts to share with team members and improve efficiency of future dev work
- Streamlined communication between 4 partner teams to notify stakeholders of development progress and ensure a cohesive and consistent approach among all contributors
- Identified and resolved 1 critical bug introduced from mistake during development; provided detailed explanation on root cause and corrective actions taken, regaining trust and ensuring project completion

### Department of Health and Mental Hygiene

New York, NY

Bureau of Network Technology Services Intern

June 2021 – August 2021

- Managed IT Help Desk support mailbox for Accela government system of licensing renewals and dealt with issues including login errors, account management, and department referrals among 100+ businesses
- Communicated with public users of DOHMH applications by requesting additional information related to reported issues and providing updates, tutorials, and confirmation of resolutions with 50+ daily emails
- Advised businesses and entrepreneurs with technical issues regarding usage of Accela and made sure necessary information and resources for license renewals was given
- Facilitated daily ticketing support for over 25+ tickets including creation, triage, escalation, and resolution

## LEADERSHIP EXPERIENCE

### NoShotStudios

Ann Arbor, MI

Team Leader

March 2022 – April 2022

- Led team of 4 students to develop a game over a 6-week period using agile development within **Unity**
- Organized and directed team meetings by tracking issues with **JIRA** and delegating specific responsibilities
- Collaborated with 2 external freelancers to integrate custom music and voice acting into project
- Won 5th place at the Winter 2022 UM + EMU Game Development Showcase with 104/1933 votes

### Image Colorization Final Project

Ann Arbor, MI

Team Leader

March 2022 – April 2022

- Optimized duration and efficiency of team meetings and task delegation to complete final project in 4 days
- Prompted work updates from 2 teammates and tracked task progress throughout asynchronous workflow
- Identified tradeoffs between timeline and scope of project to ensure functionality could be achieved in time

### STEMnARTS

Chino, CA (Remote)

Teaching Assistant and Tutor

February 2021 – May 2022

- Taught coding concepts and CS-related math to classes of 20+ students in preparation for ACSL competition
- Designed curriculum and led summer camps for beginner programmers in a variety of languages and environments including Scratch, **Java**, **C++**, and game development using **Lua** in **Roblox Studio**
- Fostered students' problem-solving skills, creativity, and programming confidence within Computer Science
- Achieved 40% of student full scores on both the mathematics and coding portions of the ACSL competition