

Kok Wei “Thomas” Tan

US Citizen

Education

Georgia Institute of Technology

Atlanta, GA

B.S. in Computer Science, GPA: 4.0 / 4.0

August 2018 - May 2021

- **Selected Coursework:** Object Oriented Programming, Data Structures & Algorithms, Computer Organization, Systems & Networks, Computer Networking, Databases, Automata Theory

Experience

Google

New York, NY

Software Engineer

Feb 2022 - Present

- Geo Changes Infrastructure Team focused on empowering data owners to publish real-world knowledge.
- Developed system that operates in both a batch & online processing mode to host data owner logic to fuse signals across multiple canonical & staging data stores and publish to the respective system of record.
- Led the batch processing design and implementation which uses Flume (externally known as MapReduce) & gRPC.
- Collaborated directly with data owners to gather requirements and build features necessary to onboard POI attributes such as business hours, existence status, insurance networks, etc.

Akuna Capital

Chicago, IL

Software Engineer

Aug 2021 - Dec 2021

- Options Market Making Automation Team

LinkedIn

New York, NY

Software Engineer Intern

May 2021 - Aug 2021

- Designed and shipped text size controls and sticky note font for Story creation using Java and Kotlin for Android OS
- Created unit tests and scenario tests using the Espresso testing framework
- Developed a proof-of-concept for Video and Image filters utilizing the android-imageloader and LinkedIn/LiTr libraries

Georgia Tech

Atlanta, GA

Head Teaching Assistant - Intro to Object-Oriented Programming in Java (CS 1331 Online)

August 2020 - May 2021

- Managed 13 teaching assistants and 250 students
- Led weekly TA meetings to coordinate and delegate tasks such as weekly recitations and homework assignments
- Designed exam questions and grading rubrics
- Assisted in creating modules for the MOOC (Massive Open Online Course) format of this course available on edX

Capital One

McLean, VA

Software Engineer Intern

May 2020 - August 2020

- Designed and developed an internal rule management Web Application and Chrome extension using Angular and Typescript that works with the Eno Web Assistant to autofill credit card information

Amazon

Seattle, WA

Software Development Engineer Intern

January 2020 - May 2020

- Designed and implemented an AWS cloud extension for ROS (Robot Operating System) using C/C++
- Embedded the Python interpreter within C++ to allow for dynamic interpretation with ROS message types
- Created unit tests using Gmock and integration tests using Bash, Python, and Selenium and automated using Travis CI

Georgia Tech

Atlanta, GA

Teaching Assistant - Intro to Object-Oriented Programming in Java (CS 1331)

May 2019 - Dec 2019

- Taught a weekly recitation to a group of 125 students
- Held office hours, created and graded homework assignments and exams, and answered online student questions
- Developed autograders and unit tests using the JUnit and Mockito testing frameworks

Awards/Competitions

MIT Battlecode 2021 - Top 16

Correlation One Terminal Game UT-Austin and GaTech - Top 3

Skills

Advanced: C++, C, Java

Intermediate: SQL, Python, Kotlin, Swift