John Chan

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EDUCATION

The University of Texas at Dallas — Richardson, Texas
Bachelor of Science in Computer Science (with Hons.); GPA 3.808 — *Aug 2015 - May 2019*

EXPERIENCE

Amazon — Austin, TX
Software Development Engineer II · Whole Foods — *Jul 2021 - Present*

- Specified design and led team of 3 SDE Is to create service to process 200+ Purchase Orders daily across US Whole Foods stores
- Built app for bulk movement of in-store inventory which resulted in a 23 percent UPH efficiency increase in Whole Foods stores
- Designed variable-weight aware inventory system for use across all Amazon physical retail stores: Amazon Go, Amazon Fresh, and Whole Foods
- Mentored 3 SDE Is as they were promoted to SDE II, providing feedback and career advice
- Improved operational excellence on the team, reducing average weekly incoming ticket count from 30 to 13

Amazon Web Services — Seattle, WA
Software Development Engineer I · Region Build — *Sept 2019 - Jul 2021*

- Created an automation platform for AWS service builds using a microservice architecture built on Java/Python/Docker
- Redesigned AWS ElasticSearch's region build, working with the parent team to eliminate over 30 hours of oncall effort per build-out
- Implemented plugins for Hosted Zone Creation, CloudFormation Synthesis, and AWS Account Creation

Intel Corporation — Austin, TX
Software Engineering Intern · 5G Modem — *Summer 2018*

- Created frameworks for testing 5G wireless modem designs using UVM methodology
- Automated test vector generation for 200+ test cases for 8 unique LTE/5G modes
- Debugged software models with engineers located in China, Germany, and the USA

HONORS & AWARDS

Eugene McDermott Scholar, University of Texas at Dallas

- Selected for a full-ride, merit-based scholarship given to only 25 students each year
- Part of a cohort which emphasizes experiential learning, public service, and leadership on campus and in the community

Computing Scholar, University of Texas at Dallas

- One of 30 students selected for the Computer Science honors cohort at UT Dallas
- Took advanced honors sections of computer science courses with selected faculty members

Eagle Scout, Boy Scouts of America

- Received the highest honor in Boy Scouts, requiring years of commitment and culminating with an independently organized community service project
- Led 32 volunteers to complete a set of horticulture plots at Community First, a community for the unhoused in Austin, TX

PROGRAMMING SKILLS

Languages: C++ , Java , TypeScript , Ruby , Python **Technologies:** AWS SDK , Linux/Bash , Docker , React , Angular