Johnson Wang

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EDUCATION

Cornell University Ithaca, NY
Bachelor of Science in Computer Science *Class of 2026*
- GPA: 3.61/4.0
- Relevant Coursework: Intro to Computing: Design and Dev, Object-Oriented Programming & Data Structures, Discrete Structures, Functional Programming, Database Systems, Machine Learning, C++
- Certification: TRAIN: Introduction to Artificial Intelligence Certification

EXPERIENCE

Software Development Intern May 2024 – Aug. 2024
Amazon *Seattle, WA*
- Spearheaded the implementation of a system to delete Ebook samples after fullbook purchase across 4.5M+ user devices, reducing storage clutter
- Diagnosed and resolved a critical production feature that conflicted with sample to fullbook deletion process on all Android devices
- Designed and implemented a new profile annotation system on sample to fullbook process, enhancing user personalization
- Authored 20+ comprehensive unit tests using JUnit, achieving over 95% test coverage and ensuring features' robustness

Fullstack Developer Sep. 2020 – Aug. 2023
SITech Times *Staten Island, NY*
- Led end-to-end development of 3+ fullstack web applications using Nuxt, Vue, and Typescript, improving site functionalities for 1300+ students
- Migrated school systems for club attendance and course selection to web platforms, reducing manual entry by 50%
- Developed RESTful APIs for data storage and retrieval, integrating MongoDB and SQLite to support seamless backend operations
- Utilized Google Cloud Console in implementing Google OAuth for user authentication in most of the applications
- Wrote test cases for multiple backend applications using snapshot testing and in unit testing, achieving over 90% test coverage

Software Subteam Member Sept. 2024 – Present
Cornell Cup Robotics *Ithaca, NY*
- Working on designing and training a deep reinforcement learning model on a bipedal robot to stand and walk

PROJECTS

SITech Course Selection | *Python, Django, Vue, SQLite3* Aug. 2023
- Built a scalable web application that enabled 1300+ students to seamlessly submit course preferences and reducing workload by 50%
- Processed survey data to generate actionable insights for guidance counselors, streamlining schedule creation and reducing manual workload by automating data compilations

Alltru | *Typescript, Vue, Express, MongoDB* June 2022
- Developed a backend application using Node.js and Express for a volunteering platform adopted by 200+ users, facilitating event discovery and volunteer hour tracking
- Created user authentication system using passport.js

SKILLS

Languages: Java, Python, C/C++, SQL, Typescript, JavaScript, HTML/CSS, OCaml, Kotlin, GraphQL
Frameworks/Tools: React, Node.js, Flask, Django, Vue, Express, Git/Github, Docker, MongoDB, Postgres, SQLite3, Pytorch