

# Jaden Wang

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## EXPERIENCE

### Rapid7 - Software Engineer II

October 2021 - Present

- Developed robust multi-platform Golang system applications and libraries responsible for the configuration, interprocess communication, and continuous release of the Rapid7 Insight Agent.
- Led the modernization of a Python service to a highly available Spring Boot microservice utilizing Redis and SQS, deployed on Kubernetes via Terraform, scaling to requests from over 14 million agents daily.
- Piloted vital metrics pipeline overhaul and analytics dashboards using Kubernetes and DataDog/Grafana, resulting in 200% latency improvement and increased observability for stakeholders on 100% of agents.
- Became a key collaborator of many cross-functional teams delivering a wide range of security features for customers such as agent-based policy assessments and next-generation anti-virus solutions.

### Amazon - Software Development Engineer

February 2021 - October 2021

- Orchestrated the development, deployment, and performance testing of API Gateway and Python Lambda applications supporting a user base of 690k users, with a focus on operational excellence.
- Collaborated with HR representatives to Integrate complex business logic handling of a global employee compensation policy expansion project utilizing Drools and Cucumber for BDD testing.
- Designed and implemented components of an end-to-end ETL data pipeline with data validation and parallel processing using AWS Glue, Batch, Step Function, CloudFormation and RDS (PostgreSQL).
- Mentored junior interns on coding, systems design, and writing best practices within Amazon.

### Amazon - Software Development Engineer Intern

May 2020 - September 2020

- Developed a human resource management platform as part of a global expansion impacting a population of over 139k step-rated Amazon employees, servicing hundreds of global pay coordinators.
- Designed and implemented scalable backend services and internal APIs using Java, MyBATIS, Google Guice, and a variety of AWS services other internal Amazon frameworks.
- Engineered frontend integration with internal APIs and backend services using React.js and Node.js.

### University of Toronto - Teaching Assistant

September 2018 - December 2020

- Taught topics such as file I/O, memory management, algorithms, and data structures using Python and C.

## SKILLS

Java | Python | Go (Golang) | Terraform | SQL | AWS (+) | Linux

## PROJECTS

Carnet2 - [github.com/jadenyjw/carnet2-arduino](https://github.com/jadenyjw/carnet2-arduino) | Demo: <https://bit.ly/2lgObn0>

- Engineered a self-driving car with a trainable neural network that can maneuver through arbitrary paths.
- **Technologies Used:** Software: Python, Keras, OpenCV | Hardware: Arduino, ESP8266

Tanks - [github.com/jadenyjw/tanks-backend](https://github.com/jadenyjw/tanks-backend)

- Implemented a real-time multi-client server for a game, utilizing websockets for peer communication.
- **Technologies Used:** Backend: Node.js | Frontend: React.js, Pixi.js | Systems: NGINX, Google Cloud

## EDUCATION

University of Toronto - Honours Bachelor of Science - Distinction | Dean's List x2 | 2017 - 2020  
(Computer Science Specialist - Software Engineering & Statistics Major)