

KEVIN ZONG

(301) 366-1869 | 7kevinzong@gmail.com | linkedin.com/in/kevinzong | kevinzong.com

EDUCATION

Bachelor of Science, Computer Engineering

University of Maryland - College Park, MD

(2017-2021)

GPA: 3.51

SKILLS

Coding Languages: Python | Java | Typescript | JavaScript | HTML | CSS | SQL

Frameworks: CDK | Express | React | JUnit | Pytest

Technologies: AWS | MySQL | MongoDB | Pandas | Docker | Gradle | Git | Node.js

PROFESSIONAL EXPERIENCE

Amazon Web Services (AWS)

Software Development Engineer - Seattle, WA

(2021-2023)

- Scaled infrastructure to improve stability, reliability, and latency for an internal pipeline service protecting over 40K developers from hazardous configuration changes.
- Collaborated with 8 teams on company-wide infrastructure as code initiatives to define and encapsulate engineering best practices and orchestrate internal resources.
- Designed and integrated a data pipeline to generate metrics that correlated best practice initiatives with a 16% improvement in overall developer productivity.

Software Development Engineer Intern - Remote

(Summer 2020)

- Designed and implemented AWS CDK constructs to manage internal AWS accounts through infrastructure as code.
- Centralized development and eliminated repetitive manual steps for developers deploying applications across multiple accounts.

Washington Metro Consultants

Personal Tutor (Computer Science) - Potomac, MD

(2018-2020)

- Created a comprehensive Java-based computer science curriculum.
- Coached students on fundamental object oriented programming concepts, data structures, and algorithms.
- All students earned the highest score on their AP Computer Science A exams.

National Institute of Standards and Technology (NIST)

Undergraduate Research Fellow - Gaithersburg, MD

(Summer 2019)

- Developed a Simple Network Management Protocol-based network manager with Java to monitor and control quantum devices within NIST's Platform for Quantum Network Innovation.
- Increased development efficiency by creating a remote, adaptable, and scalable method of managing networks.

EXTRACURRICULAR ACHIEVEMENTS

Boy Scout Troop 291

Eagle Scout - Gaithersburg, MD

(2010-2016)

- Conceptualized a personal community service project, managed tight deadlines, and led over 20 volunteers in constructing a playhouse for a local child care center.
- Consistently elected to lead and manage Scouting activities.