Adrian Kuo

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EDUCATION

Arizona State University – Ira A. Fulton School of Engineering   Aug 2015 – May 2019
B.S. Computer Science, *summa cum laude*

EXPERIENCE

Hawaiian Airlines
Software Development Engineer | Mar 2021 – present | Tempe, AZ
- Designed and developed REST APIs with Python testing scripts for the implementation of Okta to replace the legacy identity and access management (IAM) system for all Hawaiian employees and customers.
- Developed Java analyzers for real-time flight and passenger data integration through Sabre Intelligence Exchange (IX) for various use cases including revenue integrity and end-user flight status notifications.
- Took over role as the primary resource for Sabre IX applications and administrative tasks after the departure of the team's senior developer, leading Sabre IX training and instruction after a company reorganization.
- Collaborated on the development of an application for CDC contact tracing using Sabre IX, Mule 4, and Snowflake, to provide the airline a reliable method of providing the CDC with passenger information.
- Developed the company's first Mule 4 application to take advantage of an internal ITSM API to automate ticket creation for commonly recurring service account authentication errors.

Associate Software Development Engineer | Sep 2019 – Mar 2021 | Tempe, AZ
- Migrated and fixed security vulnerabilities for several C# applications and SQL databases responsible for maintaining airport security and revenue integrity to newer Windows Server 2016 systems. Decided to refactor and bugfix several applications during the migration, reducing the number of on-call pages the team was receiving.
- Developed an application that provides real-time statistics for passenger check-ins using Sabre IX, Mulesoft, Azure SQL, and Power BI.
- Pioneered the migration of several Mule 3 applications to Mule 4 while creating internal documentation.

IntraEdge
Software Development Technical Intern | Summers 2016, 2017 | Chandler, AZ
- Led 2-person team developing Solution Briefs, a MEAN stack web application which stores and displays the company's client success stories to engage prospective clients.
- Developed a REST API server using NodeJS and Express for client story modification through the client.
- Began development of an employee chat mobile application using Ionic and Firebase.

PROJECTS

Social Media Article Visualizer
- Collaborated in a 6-person team to develop a web application that uses a graphical network to represent relationships between academic research articles across different areas of study.
- Created a web scraper for journal articles related to social media and display an interactive graph consisting of nodes (articles) and their relationships (citations) using Angular, D3, and Python.

Autonomous Robot Maze Competition (1st Place)
- Collaborated in a 4-person team to create an autonomous robot using MATLab to compete in a maze traversal, producing a robot which traversed the maze the fastest among all groups and which was one of the few to successfully complete the maze.

SKILLS

Proficient
- Java, C++, JavaScript, SQL, Angular, Snowflake, HTML/CSS, Mulesoft, REST and SOAP services

Some experience in
- C#, Python, AWS, Swift, MongoDB, NodeJS, Express, MATLab