

# Adrian Kuo

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## EDUCATION

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

**Aug 2015 – May 2019**

## 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, which resulted in providing the airline a quick and 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

- Developed an application that provides real-time statistics for passenger check-ins using Sabre IX, Mulesoft, Azure SQL, and Power BI.
- Migrated several C# applications and SQL databases responsible for maintaining airport security and revenue integrity from Windows Server 2008 R2 to Windows Server 2016 systems.
- 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 (1<sup>st</sup> 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, Angular, HTML/CSS, Mulesoft, REST and SOAP services
- 160 words per minute typing ability

### Some experience in

- SQL, C#, Python, Swift, MongoDB, Snowflake, NodeJS, Express, MATLab