# Adam Coates

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## EDUCATION

**Arizona State University** — Tempe, AZ

*Bachelor of Science, Computer Science, GPA: 4.0* — *August 2019—May 2023*

*Bachelor of Science, Finance, GPA: 4.0* — *August 2019—May 2023*

- Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Service-Oriented Computing, Software Architecture/Design, Theoretical Computer Science, Software QA & Testing

## EXPERIENCE

**Software Engineer Intern** — May 2022—Present

*Northrop Grumman (Space Systems)* — *Gilbert, AZ*

- Developed a full-stack web app using Django, Vue.js, and SQLite to automate formatting proposal documents
- Implemented a REST API with Django and Python-docx to make documents compliant to classification standards
- Pioneered migration of legacy department network to SharePoint Online that grew to entire Space Systems project
- Wrote numerous workflows in Power Automate for notification systems, data collection, and metric presentation
- Reduced site redundancy by 72.1% through reorganization of legacy sites and redesigned site hierarchy
- Participated in regular Agile development activities including daily Scrum meetings and Sprint demos

**Service Manager** — May 2018—May 2022

*Chipotle Mexican Grill* — *Scottsdale, AZ*

- Enforced customer service standards among staff to establish an inviting atmosphere for Chipotle guests
- Oversaw sanitation and maintenance of restaurant equipment and facilities to uphold restaurant cleanliness
- Minimized the restaurant's average critical inventory score to a 0.4% through hands-on management
- Achieved a perfect score on each quarterly Ecosure audit of 2020 and 2021 during the COVID-19 pandemic

## PROJECTS

**File Sharing Web App** | *Node.js, Express, HTML, MongoDB, Multer*

- Built a file sharing web application with Node.js that takes file upload to the server via HTML form
- Created a database schema for MongoDB to store files to the database
- Utilized Multer middleware to handle multipart/form-data encoding for POST requests made to the server

**React.js Currency Converter** | *React.js, Exchange Rates Data API, Fetch API, HTML*

- Constructed a React application that allows users to convert various different currencies
- Queried the Exchange Rates Data API to return updated currency exchange rates for conversion using Fetch API
- Leveraged React hooks to manage component state and page load events

**Autonomous Vehicle Project** | *MATLAB, LEGO® MINDSTORMS® EV3 Hardware*

- Designed an autonomous vehicle prototype at ASU for a mock ridesharing startup with a group of students
- Engineered the vehicle using LEGO® MINDSTORMS® EV3 sensors and motors
- Programmed scripts in MATLAB to allow the vehicle to operate autonomously and accept manual override

## TECHNICAL SKILLS

**Languages**: Java, JavaScript, C/C#/C++, Python, SQL (Postgres), HTML, Some Exp: CSS
**Frameworks**: Node.js, Vue.js, Django, JUnit, Some Exp: React.js
**Developer Tools**: Git, Jira, VSCode, Eclipse, Linux, MATLAB, LaTeX
**Software**: Microsoft Office, Power Automate, SharePoint Online, Teams, Zoom

## LEADERSHIP ACTIVITIES AND AWARDS

**W. P. Carey Leader's Academy at Arizona State University** — May 2019—Present

*School of Business Honors Program*

- Connected with industry experts in exclusive professional events to cultivate networking abilities
- Fostered mentorship connections and opportunities with W. P. Carey department faculty

**Academic Awards**

*Arizona State University*

- New American University Scholar: Presidents Award
- Dean's List: Fall 2019—Spring 2022