

Adam Coates

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EDUCATION

Arizona State University

Tempe, AZ

Bachelor of Science, Computer Science

Degree Expected: May 2023

Bachelor of Science, Finance

Cumulative GPA: 4.0

- 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

- Oversaw sanitation and maintenance of restaurant equipment and facilities to uphold restaurant cleanliness
- Enforced customer service standards among staff to establish an inviting atmosphere for Chipotle guests
- 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 stateful React app 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
- Employed useEffect and useState hooks to manage application 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