

Adam Coates

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TECHNICAL SKILLS

Languages: Java, JavaScript, C/C#/C++, Python, SQL (Postgres), HTML, CSS

Frameworks: React.js, React Native, Node.js, Vue.js, Django, JUnit

Developer Tools: Git, VSCode, Docker, Jira, Trello, Eclipse, Linux, MATLAB, \LaTeX

Software: Microsoft Office, Power Automate, SharePoint Online, Teams, Zoom

EXPERIENCE

Software Engineer

Atlassian

- TBD

07/2023—Present

Mountain View, CA (Remote)

Active Top Secret Security Clearance

Northrop Grumman (Space Systems)

11/2022—06/2023

Gilbert, AZ

Software Engineer Intern

Northrop Grumman (Space Systems)

05/2022—06/2023

Gilbert, AZ

- Developed a full-stack web app using Django, Vue.js, and SQLite to automate proposal document formatting
- Implemented a REST API with Django and Python-docx to make documents compliant to classification standards
- Pioneered migration of legacy department network to SP Online; eventually scaling to entire Space Systems project
- Reduced site redundancy by 72.1% through reorganization of legacy sites and redesigned site hierarchy
- Deployed a replacement tool to streamline existing engineering peer review process, leveraging SharePoint Online

Service Manager

Chipotle Mexican Grill

05/2018—05/2022

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

EDUCATION

Arizona State University

Master of Science, Computer Science

08/2023—05/2025

Tempe, AZ

Arizona State University

Bachelor of Science, Computer Science (Software Engineering)

Bachelor of Science, Finance

08/2019—05/2023

Tempe, AZ

Cumulative GPA: 4.0

- Latin Honors: Summa Cum Laude

PROJECTS

Mobile App Frontend for Content Creation Website | *React Native, Expo, Figma, Trello, GitLab*

- Collaborated with ASU students to develop a mobile app frontend for an existing content creation site
- Maintained the native look and feel of the existing website using Figma to prototype UI mockups
- Utilized React Native and Expo to ensure seamless cross-platform compatibility across iOS and Android
- Made authenticated requests to backend using JWT authentication, enabling content creation pipeline integration
- Used GitLab for version control and codebase management, while leveraging Trello for project management

Stock Direction Prediction Model | *Python, SciKit-Learn, Natural Language Processing*

- Worked with graduate students to develop machine learning models for predicting direction of stock prices
- Constructed Document Term Matrices (DTMs) from relevant AAPL and AMZN news articles to train classifiers
- Implement various classifiers, including Logistic Regression, XGBoost, Random Forest, and Gaussian Naive Bayes
- Evaluated model performance using 10-fold cross-validation, measuring accuracy, F1-score, precision, and recall