

Adam Coates

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EDUCATION

Arizona State University <i>Master of Science, Computer Science</i>	August 2023—May 2025 Tempe, AZ
Arizona State University <i>Bachelor of Science, Computer Science (Software Engineering)</i> <i>Bachelor of Science, Finance</i> <ul style="list-style-type: none">Latin Honors: Summa Cum Laude	August 2019—May 2023 Tempe, AZ Cumulative GPA: 4.0

EXPERIENCE

Software Engineer <i>Atlassian</i> <ul style="list-style-type: none">TBD	July 2023—Present Mountain View, CA (Remote)
Active Top Secret Security Clearance <i>Northrop Grumman (Space Systems)</i>	November 2022—June 2023 Gilbert, AZ
Software Engineer Intern <i>Northrop Grumman (Space Systems)</i> <ul style="list-style-type: none">Developed a full-stack web app using Django, Vue.js, and SQLite to automate proposal document formattingImplemented a REST API with Django and Python-docx to make documents compliant to classification standardsPioneered migration of legacy department network to SP Online; eventually scaling to entire Space Systems projectReduced site redundancy by 72.1% through reorganization of legacy sites and redesigned site hierarchyDeployed a replacement tool to streamline existing engineering peer review process, leveraging SharePoint Online	May 2022—June 2023 Gilbert, AZ
Service Manager <i>Chipotle Mexican Grill</i> <ul style="list-style-type: none">Enforced customer service standards among staff to establish an inviting atmosphere for Chipotle guestsOversaw sanitation and maintenance of restaurant equipment and facilities to uphold restaurant cleanlinessMinimized the restaurant's average critical inventory score to a 0.4% through hands-on managementAchieved a perfect score on each quarterly Ecosure audit of 2020 and 2021 during the COVID-19 pandemic	May 2018—May 2022 Scottsdale, AZ

PROJECTS

Mobile App Frontend for Content Creation Website <i>React Native, Expo, Figma, Trello, GitLab</i> <ul style="list-style-type: none">Collaborated with ASU students to develop a mobile app frontend for an existing content creation siteMaintained the native look and feel of the existing website using Figma to prototype UI mockupsUtilized React Native and Expo to ensure seamless cross-platform compatibility across iOS and AndroidMade authenticated requests to backend using JWT authentication, enabling content creation pipeline integrationUsed GitLab for version control and codebase management, while leveraging Trello for project management
Stock Direction Prediction Model <i>Python, SciKit-Learn, Natural Language Processing</i> <ul style="list-style-type: none">Worked with graduate students to develop machine learning models for predicting direction of stock pricesConstructed Document Term Matrices (DTMs) from relevant AAPL and AMZN news articles to train classifiersImplement various classifiers, including Logistic Regression, XGBoost, Random Forest, and Gaussian Naive BayesEvaluated model performance using 10-fold cross-validation, measuring accuracy, F1-score, precision, and recall

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, L^AT_EX
Software: Microsoft Office, Power Automate, SharePoint Online, Teams, Zoom