Andrew Albizati

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EDUCATION

University of San Diego — San Diego, CA
Bachelor of Science in Computer Science, Mathematics — *Expected May 2026*
- **Courses**: Algorithms, Data Structures, Machine Learning, Computer Systems, Object-oriented Programming
- **Member of**: Association for Computing Machinery (ACM), Engineering Industry Scholars Program, Theta Tau
- **Cumulative GPA**: 3.93/4.0

SKILLS

Languages: Python, Java, C#, SQL, C/C++, JavaScript, HTML/CSS, PHP, R, Kotlin, Assembly
Libraries: NumPy, pandas, Matplotlib, TensorFlow, scikit-learn, Keras, OpenCV, Selenium, PyQt, SageMath
Frameworks: Django, Spring Boot, Flask, FastAPI, SQLAlchemy, Hibernate, Flutter, Unity, Three.js
Project Methodologies: Agile, Scrum, CI/CD, JIRA, DevOps, Test Driven Development (TDD)
Developer Tools: Git/GitHub, Linux, Docker, Bash, AWK, Gradle, Jupyter, VS Code, Visual Studio, IntelliJ
Miscellaneous: Dependable, organized, collaborator, problem solver, communicator, detail-oriented, natural leader

EXPERIENCE

System Test Automation Engineering Intern — June 2025 – Present
Philips — *Python, C#, JavaScript, PHP, MySQL, GitHub Actions* — *San Diego, CA*
- Built a Python application that uses advanced OCR and generative AI to translate medical device user interfaces
- Maintains a JavaScript dashboard website used daily by 15+ engineers, boosting monitoring efficiency by 40%
- Executed 50+ reliability tests for medical device software, identifying 12+ errors and ensuring 100% compliance

Lead Support Technician — January 2023 – Present
University of San Diego ITS Help Desk — *Python, MySQL, Microsoft Office, GitHub* — *San Diego, CA*
- Provides technical support to students, faculty, and staff, ensuring seamless access to campus technology resources
- Efficiently debugged and resolved over 3,000 technical issues, showcasing robust problem-solving skills
- Leads a team of 30+ student technicians by developing software tools that enhance operational efficiency by 93%

Undergraduate Research Intern — June 2024 – August 2024
University of San Diego Department of Mathematics — *Python, NumPy, Matplotlib, LaTeX* — *San Diego, CA*
- Collaborated with a multidisciplinary team to investigate the unfolding and blooming processes of polyhedra
- Developed Python programs with NumPy to improve our classification accuracy of hypercube unfoldings to 100%
- Collected and meticulously organized data enumerating multidimensional box nets for a future research paper

PROJECTS

Film Finder | *Python, scikit-learn, NumPy, Django, Flutter, SQLite, Git* — July 2024 – September 2024
- Created a Natural Language Processing AI model that uses cosine similarity to recommend films by user interests
- Deployed a Flutter full stack application allowing users to swipe through movies they like or dislike
- Constructed a Django REST API web server to send and request data with secure token-based authentication
- Integrated third-party APIs to enrich movie data with additional metadata such as movie posters and ratings

School Identity Management System | *Java, Spring Boot, HTML/CSS, Git* — April 2024 – May 2024
- Worked with a Scrum team to create a dynamic website for efficient querying and management of user profile data
- Implemented test-driven development practices and wrote ORM components to ensure data accuracy & efficiency
- Optimized backend Java algorithms to significantly improve query speed by 89% while ensuring accurate results
- Orchestrated a Model-View-Controller (MVC) architecture using client-server concepts and web services

Case Claim Bot | *Python, MySQL, Git* — April 2023 – March 2024
- Collaborated with a team to create a chatbot used by 73+ technicians to keep track of their active issue tickets
- Followed CI/CD principles to ensure thorough planning, analysis, implementation, and maintenance of the project
- Utilized MySQL to store and manage over 54,000 unique cases, ensuring integrity during the review process
- Leveraged GitHub to manage team workflow with pull requests and code reviews, solving over 100 issues