Andrew Albizati

(858) 342-3945 | andrew.albizati@gmail.com | linkedin.com/in/andrew-albizati | andrewalbizati.github.io

EDUCATION

University of San Diego — San Diego, CA
Bachelor of Science in Computer Science, Mathematics — *Expected May 2026*
- **Courses**: Algorithms, Data Structures, Computer Systems, Object Oriented Programming, Vector Calculus
- **Member of**: Association for Computing Machinery (ACM), Engineering Industry Scholars Program, Theta Tau
- **Cumulative GPA**: 3.91/4.0

EXPERIENCE

Information Technology Lead Support Technician — January 2023 – Present
University of San Diego — *San Diego, CA*
- Efficiently debugged and resolved over 3,000 technical issues, showcasing robust problem-solving skills
- Troubleshot issues with MS365, Identity Management, Aruba Networks VPN, SPSS Statistics, WiFi, hardware
- Leads a team of 30+ student technicians by developing software tools that enhance operational efficiency by 93%

Undergraduate Research Intern — June 2024 – August 2024
Department of Mathematics, University of San Diego — *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 cube unfoldings to 100%
- Collected and meticulously organized data enumerating multidimensional box nets for a research paper

Senior Coding Instructor — June 2021 – October 2023
Code Ninjas — *San Diego, CA*
- Customized methods of instruction and classroom materials to address individual student needs
- Accelerated student completion time for coding a game by 54% through optimized instructional strategies
- Instructed students in various programming languages including JavaScript, Lua, C#, and Python

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 authorization
- 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
- Designed a dynamic front-end website using Thymeleaf, facilitating efficient querying and management of user 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 allowing 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 28,000 unique cases, ensuring integrity during the review process
- Leveraged GitHub to manage team workflow with pull requests and code reviews, solving over 100 issues

SKILLS

Languages: Java, Python, C/C++, C#, SQL, JavaScript, HTML/CSS, R, Kotlin
Frameworks: Django, Spring Boot, Hibernate, Flutter, Unity
Developer Tools: Git/GitHub, Docker, Bash, Gradle, Jupyter, Linux, VS Code, Visual Studio, IntelliJ, Eclipse
Libraries: TensorFlow, scikit-learn, Keras, NumPy, pandas, Matplotlib, OpenCV, SageMath
Miscellaneous: Dependable, organized, problem-solver, communicator, time management, proficient in Spanish