

Michael Levin

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EDUCATION

University of California - Los Angeles

Los Angeles, CA

Bachelor of Science in Computer Science and Mathematics, GPA: 3.74

Sep 2023 – Jun 2026

- Dean's Honors List, US History Bee competitor, Boys State alumni
- Relevant coursework: Data Structures & Algorithms, OOP, Computer Architecture, Probability & Statistics

EXPERIENCE

Software Engineering Intern

Oct 2024 - Present

Helios Technologies

Gig Harbor, Washington

- Leveraged Large Language Models (LLMs) to create a user-friendly way to interact with a clone of a person
- Utilized React, TypeScript, Jest, and Playwright to design the UI and perform test-driven development
- Used Python to connect the server components to AWS and tune the model to enhance accuracy and reduce costs

Software Engineering Intern

Jul 2024 – Sep 2024

Charge Health

Austin, TX

- Enhanced the user experience for over **10,000** users by engineering and redesigning the UI in Flutter
- Optimized performance and scalability by integrating AWS Lambda with DynamoDB using Boto3 and PynamoDB
- Reduced bugs by **30%** through comprehensive unit tests in Python and Dart, using Gradle, Mockito, and Moto
- Debugged and optimized functionalities, improving responsiveness and reducing user-reported issues by **25%**

Technical Recruitment Coordinator

Jul 2022 – Nov 2022

Lanhee Chen Campaign for Controller

Los Angeles, CA

- Recruited and trained over **30** interns, leading a volunteer phone banking team that made over **100,000** calls
- Automated the collection of public data from over **2,000** high school websites using Python and BeautifulSoup
- Identified key individuals using Pandas and NumPy, and developed an OOP Python script that contacted **4000+** volunteers and school officials, boosting volunteer recruitment by **20%**
- Implemented the internship program at **7** schools by setting up and leading meetings with key school officials

PROJECTS

Banking Application | *Java, Spring Boot, React, SQL, Bootstrap, Postman, XML*

Sep 2024 – Present

- Developed a full-stack banking application using Java Spring Boot and React, supporting **5+** core banking operations and integrating RESTful APIs for efficient communication between frontend and backend
- Enhanced security with Spring Security and JWT, achieved **100%** compliance with industry standards, and implemented an automated email notification system for transaction alerts and updates

Clinic Finder Application | *Dart, Flutter, AWS, GraphQL, Python, Requests*

Jun 2024 – Aug 2024

- Built a Flutter mobile app for locating specialized clinics, using AWS Amplify for backend integration and GraphQL for API management. The app features real-time search capabilities, enhancing clinic retrieval efficiency
- Established secure user authentication with AWS Cognito and encrypted storage on Amazon S3

TunnelMan Game | *C++*

Jul 2024 – Aug 2024

- Engineered a 2D action game in C++ with complex mechanics, including player movement, inventory management, and enemy AI, enhancing code efficiency, and refining collision detection algorithms for improved gameplay
- Reduced memory usage by **15%** and boosted frame rates by **25%** through efficient data structure design
- Employed robust data encapsulation practices and utilized STL containers like queues, vectors, and maps

Boston Housing Price Prediction | *Python, Flask, Vue, Scikit-learn, XGBoost*

Sep 2023 – Nov 2023

- Designed a robust Linear Regression model for predicting Boston housing prices, achieving **73%** accuracy on **500+** data points through extensive EDA, data cleaning, and hyperparameter tuning with Grid Search
- Deployed the model using Flask and Vue for real-time predictions, enabling integration with web applications

TECHNICAL SKILLS

Languages: Python, C/C++, JavaScript/TypeScript, Java, SQL, Dart, Bash, HTML/CSS, XML, Assembly, R

Frameworks: React, Spring Boot, Hibernate, Flask, Flutter, Vue, Bootstrap

Developer Tools: AWS, Git, Linux, Gradle, Mockito, VS Code, IntelliJ, Android Studio, Postman, Jira, Agile

Libraries: Boto3, PynamoDB, Pandas, NumPy, Matplotlib, Requests