

# Connor Savage

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## EDUCATION

**Loyola Marymount University** | Los Angeles, CA May 2024  
Bachelor of Science, Computer Science GPA – 3.65

## SKILLS

**Languages:** Java, JavaScript, SQL, C++, C#, C **Frameworks:** Google Firebase, **Concepts:** Databases, Cryptography,  
Swift, Python, HTML, CSS/Bootstrap Azure DevOps, GIS, Node Full Stack Development

## PROFESSIONAL EXPERIENCE

**Software Engineering Intern** – Los Angeles Department of Transportation | Los Angeles, CA Apr 2022 - Present

- Utilized Azure DevOps and C# to update and refactor back-end services
- Tested, logged, and fixed bugs for the Geographical Information System (GIS) web app “TEAMS”
- Managed merges, updates, and created a Wiki for the Engineering teams GitHub Repository
- Developed new UI for “TEAMS” by implementing Bootstrap framework

**Computer Science Tutor** – Loyola Marymount University | Los Angeles, CA Spring 2022

- Introductory Python & Intermediate Java surrounding Data Structures & Algorithms

## PROJECTS

**Cybersecurity** | Full Stack

- Built a **Python** Key Logger that records and stores time, key, process, window, username, and IP address in Excel
- Developed a Caesar Cypher Program in **Python** to encrypt and decrypt data in a cyclical manner
- Developed a packet sniffing program in **Java** that decodes and analyzes data flows across system networks
- Tested and implemented multiple types of **SQL** injections

**Artificial Intelligence Chatbot** | Full Stack

- Created an AI chatbot using **JavaScript**, OpenAI’s GPT-3 API, and speech recognition for natural language input

**Algorithms & Data Structures** | Back-End

- Implemented Search, Sorting, Data Compression, Graphing, and Machine Learning algorithms using **Java**
- Developed programs for Edit Distance, Huffman Encoding, and Constraint Satisfaction using **Java**

**Interactive Web Portfolio** | Front-End

- Developed an interactive portfolio website using **HTML**, **CSS**, **Bootstrap**, and **JavaScript** for potential employers
- Integrated **PHP** to handle automated email contact forms for potential free-lance clients

**iOS Applications - Firebase Blog & Movie Data** | Full Stack

- Created an iOS blog app to upload makeup reviews and an iOS app to display movie data using APIs & **Swift UI**
- Integrated **Google Firebase** to authenticate user account information and set security privileges

**C Programs** | Back-End

- Developed Network Byte Order, Integer Base Conversion, File Text Iterators, and **C** Time Function programs in **C**

## ACTIVITIES & AWARDS

Member of Sigma Chi Iota Omega Chapter Dean’s List Loyola Marymount University  
Association for Computing Machinery National Honor Society