

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

- Demonstrated proficiency utilizing Azure DevOps and C# to update and refactor back-end services
- Tested, logged, and remediated bugs for the Geographical Information System (GIS) web app “TEAMS”
- Managed merges, updates, and established a Wiki for the Engineering team’s GitHub Repository
- Developed new enhanced UI/UX for “TEAMS” by incorporating the Bootstrap framework

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

- Facilitated intermediate Python & Java instruction emphasizing 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** capable of encrypting and decrypting data in a cyclical manner
- Developed a Packet Sniffing program in **Java** that decodes and analyzes data flows across system networks
- Extensively tested various **SQL** injection techniques focusing on database security and vulnerabilities

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