

Mark Gacoka

Computer Science Major

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EDUCATION

Minerva University

Bachelor of Computer Science

08/2019 - 05/2023

San Francisco, California

Concentration and Minor

- Concentration in Data Science and AI
- Minor in Business

EXPERIENCE

Accelerate: Talent Identification Program

International Business Machines Corp. (IBM)

05/2021 - 08/2021

Remote

Achievements/Tasks

- Participated in an undergraduate internship that offers high potential undergraduate students a virtual learning experience delivered through weekly live sessions over eight weeks during the summer.
- During the program, my team and I created a series of full stack applications using React, Material UI and NodeJS.

Program Participant

Google SPS (Software Product Sprint)

02/2021 - 04/2021

Remote

Achievements/Tasks

- Participated in an invite-only virtual internship by Google for technical career development and open-source development.
- During the program, my team and I created a dynamic website hosting my portfolio using Java servlets and the Google Cloud Platform as well as collaborated on a technical idea using Github that was presented to Google engineers.

#EarlyBird Program Participant

Twitter

05/2020 - 05/2020

San Francisco, California

Achievements/Tasks

- I was one of 30 attendees selected to attend a five-day interactive program for first-year computer science majors focused on professional and technical development.

Cornerstone Coding Peer Tutor

Minerva University

09/2019 - 12/2019

San Francisco, CA

Achievements/Tasks

- Involved in a leadership role of supervising coding structured study sessions consisting of 2 groups each 8 students coded in Python, holding drop-in office hours, and grading weekly coding lab exercises to track student progress.

SKILLS

Shell

Django

Bootstrap

NodeJS

React

Git workflow

SQL

Java

Flutter

OOP

PERSONAL PROJECTS

CySuite.io (06/2021 - Present)

- **Summary:** CySuite is a full-stack web-security automation tool designed to ease recon and vulnerability assessment for various web targets. It hosts numerous custom security tools for security analysis written in Python and Go.
- **Technologies:** The website's frontend is developed using HTML, CSS and JS while the backend uses the Django Framework. Persistent data is stored using the PostgreSQL database. The website is hosted on the AWS platform and implements containerization for scalability purposes.
- **Statistics:** The webapp currently has 100 users with 10 user month-on-month growth.

Quipia (01/2021 - 03/2021)

- **Summary:** Quipia is an Android OS Trivia app intended to be a fun and brain stimulation game for people of all ages.
- **Technologies:** Quipia is written using Flutter and implements Object-Oriented Programming principles, API calls to the Open Trivia DB, state management using River-pod, secure authentication via SAML, and remote leader-board data storage on Firebase.
- **Statistics:** The app was launched on March 10th, 2021 on the Play Store where it gained 100 installs within the first week and high ratings (4.8) all from organic growth.

CERTIFICATES

IBM Certification (05/2021 - 08/2021)

A certification awarded for completing the rigorous training by IBM through the Accelerate Program. It certifies the competency for using Github, full-stack development and CS fundamentals.

Datacamp (08/2019 - 08/2020)

A total of 11 courses in Python, Advanced Excel, R and Data Science.

Algorithms and Data Structures by Stanford University - Coursera (09/2020 - Present)

Courses: Divide and Conquer, Sorting and Searching, Shortest path, NP-Complete, Greedy Algorithms and Data Structures

RELEVANT COURSEWORK

Formal Analysis

Data Structures and Algorithms

Software Engineering

Probability and Statistics