

Gabriel Rogelio Sumalbag



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EDUCATION

University of Central Florida

Bachelors of Science in Computer Science

Expected: May 2028

SKILLS

Programming Languages: Java, C, JavaScript, Python, CSS, HTML, TypeScript

Software/Frameworks: AutoCAD, Microsoft Office Products, Visual Studio Code, React, Next.js

Coursework: Computer Science I, Computer Logic and Organization, Introduction to C Programming, Calculus II

EXPERIENCE

3242 Illumicats Programmer | FIRST Robotics Club

Jan 2021 - May 2024

- Developed 5+ robot programs of 4 various competitions, all which requires manual and automatic programs.
- Collaborated with various sections of the team to ensure the effective production of the robot.
- Led newcomers in programming skills, social skills, and establish love for coding.
- Participated in expos and Outreach events and spoke with incoming students, parents, and school board members.

Co-President | Computer Science Club /Forest High School

Aug 2023 - May 2024

- State Finalist for Samsung's Solve for Tomorrow Contest.
- Assisted the President in leading a team to create numerous prototype programs to improve school security.
- Worked to recruit hundreds of students in joining and expanding the organization.

High School Teacher Assistant | Forest High School

Aug 2023 - May 2024

- Provided Assistance to a class of AP Computer Science Principles students, allowing easier times to ask questions and provide feedback.
- Assisting with teacher in creating course content of various lessons and made it an engaging and fun learning environment.
- Led programming examples and provide face-to-face help for students that have a difficult time understanding the course.

District Master Councilor | Order of DeMolay

Jun 2022 - Jul 2023

- Became a member of an organization aiming to teach leadership, communication, and team building skills in young men.
- Managed an entire district of DeMolay Chapters and assisted in planning future events with one or more chapter.
- Traveled across Florida and interacted with various leadership positions, including those in-state and national.
- Worked with the State Council in event planning for the yearly State Conclave.

Capstone Diploma | AP Seminar/ AP Research/ Forest High School

Aug 2022 - May 2024

- Wrote two research papers based on current events and student behaviour respectively.
- Interviewed over 30 people and presented years worth of research based on the gatherings found.
- Acquired the Capstone Diploma and became proficient in Ebsco, reading research papers, and working with Microsoft Products.

PROJECTS | <https://github.com/Midnight0Moonlit>

First Website | KnightHacks Dev Team Application

Jan 2025 - Feb 2025

- Build a web application that organized my software development skills to apply for the Dev Team in KnightHacks
- Developed Web layout with React, Tailwind CSS, and ShadCN, organizing the use of JavaScript, HTML, TypeScript, and CSS.
- Utilized Tailwind CSS for styling on components to ensure consistent design for users.

Rock-Paper-Scissors | AP Computer Science Principles

Jan 2022 - May 2022

- Programmed a game app that allows the user to play Rock-Paper-Scissors against a computer on the go.
- Utilized JavaScript to create both the ui interface and the game function, allowing the game to be played on phones.

Pivot | Semi-Autonomous Robot

Jan 2022 - May 2022

- Programmed robot for a shooting and climbing competition for Orlando Regionals in less than 8 weeks.
- Used infrared sensors and gyroscopes to allow the robot to perform actions autonomously, and limelight for robot driver.
- Enabled the robot to shoot up to 10 feet up in the air and climb monkey bars as much as 5 feet off the ground.

Random Password Generator | Python Project

Sep 2024

- Programmed a Python program that allows the user to generate millions of possible password combinations.
- Utilized Python to create a simple framework in how the generator works.
- Output is alphanumeric, uses special characters, and can generate long passwords that the user needs them to be.

CAMPUS INVOLVEMENT

Lake Claire Advocacy Chair | Resident Hall Association

Jan 2025 - Present

- Worked with 10+ organizations and 5+ housing committees to organize social events to connect with the residents.
- Utilized skills taught by the Executive Board, such as coding structures, and implemented them in future projects.

LEAD Student Outreach Committee | LEAD Scholars Academy

Nov 2024 - Present

- Collaborated with other members of the LSOC Committee to plan events in March-April
- Delivered announcements to LEAD classes with the support of the Professors.
- Gained skills from the Executive Board which helped with leadership, organization, and planning.