

Patrick A. Bower

813.399.4918 • patrick.bower@ufl.edu • 55010703 Lakeside Complex • Gainesville, FL 32612

EDUCATION

Bachelor of Science Computer Science

University of Florida, Gainesville, FL

May 2022

GPA: 3.78 / 4.0

Relevant Coursework:

Spring 2020: Introduction to Software Engineering, Operating Systems

Fall 2019: Data Structures and Algorithms, Information and Database Systems 1

Spring 2019: Applications of Discrete Structures, Introduction to Computer Organization

Fall 2018: Programming Fundamentals 2

EXPERIENCE

Tutor

August 2019 – Present

University of Florida Teaching Center, Gainesville, Florida

- Facilitated the learning process for students taking calculus two or three.
- Helped students one-on-one and in groups to understand and master complex mathematical concepts.

Volunteer

July 2017 – December 2017

Glazer Children's Museum, Tampa, Florida

- Introduced children to computer programming through the creation of different games to spread youth awareness of computer science.
- Adapted and developed my programming abilities by learning the Scratch programming language.

Youth Volunteer

June 2015 – August 2017

James A. Haley Veterans' Hospital, Tampa, Florida

- Volunteered for 269 hours in the office of information and technology in their summer youth volunteer program.
- Aided in the configuration of network security and hardware solutions to meet the computing needs of employees.
- Supported in imaging machines to increase the accessibility of technology throughout the hospital.

PROJECTS

Mobile Organizer Application

August 2019 – Present

- Worked in Android Studio to create a mobile application intended to help me better organize my time.
- Implemented a user interface personalized to my preferred organizational layout: allowing me to make lists for specific goals as well as notes for more open-ended ideas, with a clear distinction separating the two.

Mobile Banking Application

January 2019

- Aided in developing an elementary banking application for Android at SwampHacks 2019 in a team of five.
- Utilized Android Studio to work on the UI and learned basic Node.js to work on a server for push notifications.

Book Buddy

October 2017

- Collaborated on a team of four in the concept design for a website meant to facilitate the sharing of books in order to improve the accessibility of educational material.
- Submitted to the Congressional App Challenge and placed 3rd in Florida's 15th District.

SKILLS AND CERTIFICATIONS

Programing: Proficient in Java, C++ and ARM Assembly, Android Studio, basic Node.js

Office Tools: Google products, Microsoft Office Specialist Master

Language: Spanish (Intermediate)

ACTIVITIES AND SOCIETIES

- Member of the University of Florida Honor's Program
- Member of the UF University Math Society
- Candidate for membership of Eta Kappa Nu
- Participated in UF's Hackathon: SwampHacks 2019