**Christopher Bloodsworth**

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Github: https://github.com/cbloodsworth | Portfolio: <https://cbloodsworth.github.io>

# Education

## Bachelor of Science in Computer Science, University of Florida, Senior, Est. December 2023

* Majoring in Computer Science and Engineering with a minor in Mathematics. GPA: 3.75
* Member of the engineering honor society Tau Beta Pi

## Associate in Arts, State College of Florida, Graduated December 2020

* Member of Gator Engineering @ SCF. Took both UF and SCF courses before transferring to UF proper. Graduated Magna Cum Laude and as the designated recipient of “Outstanding Student in Mathematics.”

# Projects & Experience

## Technical Lead for AL-Bot 2.0, UF Open-Source Club, *Current*

* Manages twice-weekly discussions and working sessions for the open-source software AL-Bot 2.0, a discord bot written in Typescript using the Discord*.*js *API*.

## File Systems Project, Operating Systems, December 2022

* Using C++ in virtual Ubuntu environment, created a program that could read and display the contents of WAD files. Integrated this with the FUSE API (filesystem in userspace) to create a fully navigable file system.

## ProtestPlots Scrum Master & Python Developer, Software Engineering Group Project, September 2022

* Developed a Python script using Selenium and BeautifulSoupto gather and store data necessary to our website.
* Acted as Scrum Master for a semester-long group project “ProtestPlots” for CEN3031: Software Engineering.
* Held stand-ups multiple times a week to discuss and resolve impediments that the team may face, and used planning poker to estimate effort-hours of tasks and facilitated sprints with Jira.

## Portfolio Website, Personal Project, August 2022

* Created a showcase to hold personal project history and relevant information with HTML/CSS.

## Gmail Scraper, Personal Project, November 2022

* Uses the Python Gmail API and Beautiful Soup to filter my recent emails by keywords / blacklists.

## Discover Delays, Data Structures Final Group Project, April 2022

* Developed the desktop front-end experience for C++ software that displays flight data with interactive graphs.
* Uses the C++ multimedia library SFML.

# Notable Coursework

## COP3530: Data Structures and Algorithms

* Provided the fundamentals for data structures and encouraged problem-solving with algorithms in C++.

## CEN3031: Software Engineering

* Introduced Agile practices like Scrum and Kanban as well as experience with the MERN web development framework, version control and CI/CD.

## CDA3101: Computer Organization

* Delivered an understanding of the components of a processor and writing code using ARM assembly.

## COP4600: Operating Systems

* Presented the details of an operating system’s structure and offered experience in modifying a Linux kernel through a command line interface.

# Technical Skills

## Languages: C++, Python, Java, Typescript, Javascript, HTML/CSS

## Frameworks: React, Node.js

## Developer Tools: Linux, Git, GitHub Actions, SonarCloud, Markdown, LaTeX, Vim

## Libraries: SFML, tkinter, Discord.js, BeautifulSoup