

Lucas Hasting Resume 2025

EDUCATION

University of North Alabama, Bachelor of Science

Florence, AL. June 2022 – May 2026

Majors: Computer Science, Mathematics, Information Technology

GPA 3.75/4.0

Minors: Data Analytics, Cybersecurity

Information Technology Concentration: Software Development

Calhoun Community College, Associate of Applied Science

Decatur, AL. May 2020 – May 2022

Major: Computer Information Systems

GPA 3.86/4.0

Concentration: Cybersecurity/Information Technology

TECHNICAL SKILLS

Programming Skills

- Developed skills in the programming languages: Java, Python, SageMath, C and C++.
- Developed skills using Python libraries such as scikit-learn, easyAI, pandas, numpy, tkinter, and many more.
- Developed skills using C++ libraries such as C++ STL, Boost, Wt, and SFML.
- Developed skills with socket and system programming in C/C++.
- Developed basic skills in the programming languages: C#, Ruby, Fortran 95, Perl, Prolog, Racket, Rust, and Matlab.
- Developed skills in the statistical programming language R.
- Developed web development skills using HTML5, CSS, Bootstrap 5, JavaScript, JQuery, and NodeJS.
- Developed skills in the query languages MySQL, Oracle 12c SQL, and MongoDB.
- Developed skills compiling and executing projects using Make.

Information Technology Skills

- Developed Administrative and Security skills in the Unix, Linux, and Windows Operating Systems.
- Experience using the CISCO IOS Network Operating System.
- Experience using Git, GitHub, and Gitea.
- Experience using vi and vim.

Other Skills

- Developed skills in Microsoft PowerPoint, Word and Excel.
- Experience writing documents in LaTeX.

EMPLOYMENT

Verafin

Remote. Toronto, Canada

Software Development Internship

June 2022 – August 2022

- Researched contact information on crypto companies for a new branch to reach out to.
- Participated in a company hackathon (**Won Best Overall Project**).
- Worked in teams of 5+ people.

UNA

Florence, AL

ITS Help Desk: Tier 1

August. 2022 – November 2022

- Interacted with 20+ people daily over the phone, in person, or over email.
- Diagnosed issues and submitting tickets for higher tiers.
- Fixed issues with multi-factor authentication, passwords, and other small issues.

Computer Science Tutor

January. 2023 – Present

- Interacting with 10+ people weekly.
- Helped students understand programming concepts in Python, C++, and Java.
- Helped students understand concepts in Discrete Structures.
- Helped students understand concepts in Frontend Web Development.

HIGHLIGHTED PROJECTS AND CERTIFICATIONS

Certifications

- CompTIA certifications: ITF+, A+, Network+, Security+, Linux+.
- Short Term Certificates: Computer Technician, Server Administration, Cybersecurity Essentials, CCNA Preparation.

C++ - Tower Defense Game using SFML (called Fish)

- Used the SFML library to manage sprites, textures, music, and events to the screen.
- Loaded path and enemy information for a stage from txt files.
- Included several enemies (fish) and 3 towers (cats).
- The rounds can be customized by editing the stage txt files.

C++ - Wt Risk Tracking System – Senior Capstone

- Used the Wt library to create a website and connect to a database to track and manage risks.
- Featured a login screen and 3 types of user accounts with different authorization.
- Worked on a team of 14 people.
- An MVP of the project was created.

Python - AI - Kirby's Dream Land Bot Creator

- Used many libraries such as scikit-learn, gymretro, and tkinter.
- Used logistic and linear regression to predict moves Kirby should make based on screen data.
- A basic GUI was used.
- The project plays the game through the first screen (before the first mini-boss).

These projects and more can be found on my portfolio at <https://lucashasting.github.io/Portfolio/>

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