

Robert Pettigrew

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EDUCATION & GOAL

University of Georgia

Athens, GA

Bachelor of Science in Computer Science

Graduated: December 2023

- **Courses:** OOP in C++ and Java, Systems Programming, Data Structures, Software Engineering, Computer Graphics, CUDA C++, Virtual Reality
- Zell Miller Scholarship recipient
- **GPA:** 3.42

Goal: To use my knowledge from UGA and apply my experience, programming skills, passion and determination in the workforce to help create a better world for future generations.

SKILLS

Hardworking, very communicative, passionate, comfortable with OOP and working in both individual and team settings.

- Languages: C++, Python, C#, CUDA C++, C, Java, JavaScript
- Technologies: Git, Linux/Unix, VS Code, Emacs
- Frameworks: SFML, NumPy, MongoDB, SQL, Unity3D

PROGRAMMING EXPERIENCE

Cinema E-Booking System

Athens, GA

Frontend Engineer

University of Georgia

- Worked on frontend development, ensuring a user-friendly and responsive interface.
- Collaborated with backend and database teams to seamlessly integrate front and back-end functionalities.
- Employed Scrum practices, including sprint planning for efficient progress.
- Performed system testing and debugging, ensuring a robust and reliable system.

C++ Experience

- Developed various data structures in C++, including Linked Lists, Doubly Linked Lists, and HashMaps.
- Utilized CUDA C++ to implement parallel processing on a GPU.
- Familiar with 2D game development using SFML.
- Followed a step-by-step approach to develop an artificial neural network from a neural network book enhancing machine learning knowledge.

Linux Proficiency

- Knowledgeable and proficient using command-line operations for compiling (gcc, g++, clang++), Makefile usage, and shell bash scripting.
- Demonstrated competence in remote server access via SSH.
- Utilized the Emacs text editor for code development in a Linux environment.

WORK EXPERIENCE

Transportation and Parking Services

Athens, GA

Customer Relations

20 hrs/week February 2019 – December 2023

- Working with thousands of faculty, staff, and students to assist with questions, concerns, permit purchases, vehicle boots, payment plans, etc.
- Inputting information into a database in a timely manner.
- Handling transactions and submitting reconciliation expense reports daily.
- Training and leading newly hired full-time and student staff.