

# Patrick Smathers

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## OBJECTIVE

Seeking an entry-level full-time software development/engineering position that allows me to use my experience primarily in Java, C++, and C# to solve problems and create products that make an impact.

## SKILLS

- Experience with Java (Oracle Certified Associate in Java 7), C++, MacOS, Windows
- Exposure to C, Python, HTML/CSS, MySQL, shell scripting, AWS (Route 53, CloudFront, Lambda, S3), Agile Dev., C#

## EDUCATION

CLEMSON UNIVERSITY

Clemson, SC

**Bachelor of Science in Computer Science; GPA 3.88**

May 2023

## EXPERIENCE

LPL FINANCIAL

SC - Remote

**Software Development Intern – Backend Work**

June 2022 – August 2022

- Worked on a team maintaining and improving a system for financial investors to view accounts and contributions.
- Contributed to APIs in C# to enable investors to better manage their money.
- Developed an EMS queue listener

CLEMSON UNIVERSITY – SCHOOL OF COMPUTING

Clemson, SC

**Lead Undergraduate Teaching Assistant**

January 2022 – May 2022

- Created and scheduled the in-person office hours rooms.
- Assisting in presenting and developing new training content for new UTA's to teach important basics.
- Interviewed potential new UTAs and assisted in assigning UTAs to classes.

**Undergraduate Teaching Assistant**

August 2021– December 2021

- Co-led an introductory computer science lab section alongside another UTA
- Worked on partially automating the testing of student project submissions and grading student assignments and labs.
- Worked alongside a team of UTAs to provide support to students outside of lab and lecture during office hours.

CLEMSON UNIVERSITY – CLEMSON COMPUTING AND INFORMATION TECHNOLOGY

Clemson, SC

**Laptop Support Technician**

January 2021 – December 2021

- Provided support to students, faculty, and staff about issues faced with different software or hardware problems.
- Helped train new student workers after gaining experience.

## PROJECTS

- ClemBot - Contributed to a large discord bot written in Python and C# and integrated a PostgreSQL DB - [github.com/ClemBotProject/ClemBot](https://github.com/ClemBotProject/ClemBot)
- Mandelbrot - Created a Java program that can render the Mandelbrot set in different resolutions, locations, zoom factors, and utilizing a variable number of threads - [github.com/smathep/Mandelbrot](https://github.com/smathep/Mandelbrot)
- Conway's Game of Life – Created a Life simulation based on Conway's Life in Java that allows user interaction and manipulation. - [github.com/smathep/GameOfLife](https://github.com/smathep/GameOfLife)
- [Fractals.tech](https://fractals.tech) – Group hackathon project where users can create different types of fractals on a website, modify their parameters and appearance, and download the image. Won a category award for using a .tech domain.
- WalkSC – Capstone project on a continuation of a mobile app for the WalkSC program and Clemson Co-op Ext.

## AWARDS / RECOGNITION

- President's List – Fall 2020, Fall 2021, Spring 2022
- CUHackIt 2022 Hackathon Award (Group Project) – Best use of a .tech domain – Jan 2022
- Upsilon Pi Epsilon – International Computer Science Honor Society – Spring 2022;
- Hispanic Scholarship Fund - HSF Scholar – 2021; 2022
- 1 of 100 HSF STEM Summit Invitees – 2022

## ACTIVITIES

Clemson Photography Club: Spring 2021 - Present

## INTERESTS

Photography, programming, technology, games, music, science.