

# Joshua Nelson

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Programming projects [github.com/jyn514](https://github.com/jyn514)  
Self-built website [jyn514.github.io](https://jyn514.github.io)  
Linkedin profile [linkedin.com/in/joshuayn](https://linkedin.com/in/joshuayn)

## Objective

I am a college sophomore with experience in Python, Java, SQL, and Unix looking for research or a summer internship in Cyber Security, Web Design, or Software Engineering.

## Education

### University of South Carolina, Columbia, SC

**Bachelor of Science in Computer Science with Honors**, 3.667 GPA May 2021

- Advanced Programming Techniques (using C++) [cse.sc.edu/class/240](https://cse.sc.edu/class/240)
- Intro to Computer Architecture (using assembly) [cse.sc.edu/class/212](https://cse.sc.edu/class/212)
- Ethical Hacking [cse.sc.edu/class/518](https://cse.sc.edu/class/518)

## Skills

- Languages: x86 assembly, MIPS, C, C++, Java, JavaScript, Python, Bash, SQL
- Technologies: git; make; Travis CI; Linux; SQL Server; Django framework; HTML and CSS
- Fluent in French, proficient in Spanish

## Experience

### McEntire Produce, Columbia, SC – **Software Intern**

May 2018 – July 2018

- Created a web application for a production environment
- Designed an SQL Server database for client data
- Integrated authentication with AD using LDAP

### University of South Carolina, Columbia, SC – **Teaching Assistant**

January 2018 – Present

- Help classrooms of 25 students learn UNIX, git, and make
- Compile further resources in a git repository
- Hold office hours weekly

### University of South Carolina, Columbia, SC – **Research Assistant**

November 2017 –  
May 2018

- Create Convolutional Neural Networks to classify proteins
- Train and Validate results on the AmPEP database
- Predict new proteins as antimicrobial

### Panera Bread, Tampa, FL – **Restaurant Associate**

February 2017 –  
June 2017

- Served upwards of 20 customers at once
- Adapted to four different roles with little notice
- Performed well under high pressure

## Awards

- National Merit Scholarship
- Provost Scholar
- Elite Academic Scholar
- Honors Student