

Joshua Nelson

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Education

University of South Carolina, Columbia, SC

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| B. S. Computer Science with Honors , 3.8 GPA | May 2021 |
| • Advanced Programming Techniques (using C++) | cse.sc.edu/class/240 |
| • Intro to Computer Architecture (using assembly) | cse.sc.edu/class/212 |
| • Ethical Hacking | cse.sc.edu/class/518 |

Awards

- **National Merit Scholarship** – top 99.5% on PSAT (awarded from NMSC)
- **Provost Scholar** – top 99.5% on PSAT (awarded from USC)
- **Elite Academic Scholar** – High school GPA above 4.5 (awarded from USC)
- **Honors Student** – Accepted by University of South Carolina Honors College

Skills

- Familiar with: Python, Java, Bash, SQL, JavaScript
- Knowledge of: C++, C, Haskell, Lisp, x86 Assembly, MIPS
- Technologies: git; make; Travis CI; Linux; SQL Server; Django framework; HTML and CSS
- Fluent in French, proficient in Spanish

Experience

Software Intern – McEntire Produce, Columbia, SC May 2018 – July 2018

- Created a web-based ticketing system for up to 40 simultaneous users
- Designed an SQL Server database of about 1 megabyte for client data
- Integrated authentication with AD using LDAP

Teaching Assistant – University of South Carolina, Columbia, SC Jan. 2018 – Present

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

Research Assistant – University of South Carolina, Columbia, SC Nov. 2017 – May 2018

- Create Convolutional Neural Network with 3 deep layers to classify proteins
- Use Machine Learning to predict new proteins as antimicrobial with 95% accuracy

Restaurant Associate – Panera Bread, Tampa, FL Feb. 2017 – June 2017

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

Clubs

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| Association of Computing Machinery – <i>Secretary</i> | Feb. 2018 – Present |
| Cyber Security Club – <i>Chief Technical Officer</i> | Aug. 2018 – Present |
| Society of Automotive Engineers – <i>Embedded Team Lead</i> | Sept. 2018 – Present |
| Gamecock Math Club – <i>Member</i> | Aug. 2017 – Present |