

Austin Hale

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Education

UNIVERSITY OF NORTH CAROLINA – CHAPEL HILL

Chapel Hill, NC

- Computer Science, B.S., Astronomy Minor. GPA: 4.0.
- Relevant Coursework: Computer Organization, Data Structures, Foundations of Programming, Effective Peer Tutoring in Computer Science.

Expected May 2021

HICKORY HIGH SCHOOL

Hickory, NC

- Graduated with high honors, GPA: 4.9.
- Three-time MVP and Captain of Cross Country and Track and Field.

June 2017

Technical Skills

- Programming experience in C, C++, CSS, HTML, Java, JavaScript, JQuery, Perl, TypeScript, and more.
- Proficient with development tools including Bash, Bitbucket, Clang-Tidy, ClearCase, Doxygen, JIRA, VMware.
- Operating Systems: Windows, macOS, UNIX, Linux.

Prior Work Experience

University of North Carolina at Chapel Hill

Chapel Hill, NC

COMP 401 Undergraduate Learning Assistant

August 2018 – Present

- Reinforce the concepts taught in the Foundations of Programming course to over 450 students through office hours, online questioning boards, and recitations.

Ribbon Communications, Inc.

Morrisville, NC

C20 Engineering Intern

June 2018 – Present

- Responsible for the design, documentation, and evolution of call server products and solutions.
- Oversee software documentation of numerous C/C++ sources to Doxygen.
- Generate call, caller, and dependency graphs to exhibit relations between classes in separate modules.
- Debug multiple source files for typical programming errors using Clang-Tidy, a "linter" tool, in Linux OS and create JIRAs for building these new fixes.
- Design scripts to provide simpler access to C20 call traffic assessments using Perl.

Leadership and Activities

HackNC

Chapel Hill, NC

Development Organizer

August 2017 – Present

- Assist the organization team in creating HackNC's website, as well as oversee one of the largest hackathons in North Carolina with over 1000 applicants.

Buckley Public Service Scholar

Chapel Hill, NC

Enrolled Member

August 2017 – Present

- Collaborate with the surrounding community in providing assistance to nearby schools and non-profit organizations, such as in the distribution of emergency food aid to hungry children through TABLE.
- Demonstrate a strong commitment to public service through 300 hours of service and four skills trainings.

Chapel Hill Math Circle

Chapel Hill, NC

Coordinator

August 2017 – Present

- Facilitate weekly programs for over 100 enrolled children who have a keen interest in mathematics.

Developments and Interests

- **Developments:** Clang-Tidy Visualizer that generates a structured view of various bugs in C/C++ source code, Client Websites using front-end technologies, contributions to open source documentation tools.
- **Interests:** Github development, volunteering, avid sports fan, traveled to more than 30 U.S. states.