

## 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.
- Create 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.