AUSTIN HALE

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EDUCATION

UNIVERSITY OF NORTH CAROLINA – CHAPEL HILL
Computer Science, B.S.
Astronomy Minor
GPA: 4.0
Expected May 2021

TECHNICAL SKILLS

LANGUAGES
C • C++ • CSS • HTML • Java •
JavaScript • JQuery • Perl • Python •
TypeScript

DEVELOPMENT TOOLS
Bash • Bitbucket • Clang-Tidy •
ClearCase • Doxygen • Git • JIRA •
Node.js • VMware

OPERATING SYSTEMS
Windows • macOS • UNIX • Linux

COURSEWORK

Computer Organization
Data Structures
Foundations of Programming
Effective Peer Tutoring in Computer
Science

LINKS

Personal: austinbhale.com
Github:// austinbhale
LinkedIn:// austinhale3

EXPERIENCE

**University of North Carolina – Chapel Hill | 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. | 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.

PROJECTS

Clang-Tidy Visualizer
- Generates a structured view of various bugs in C/C++ source code.
- Organizes checks with highlighting and external link functionalities for ease of accessibility.

Web Development
- Focus on front-end and back-end development for creating sites from scratch.
- Created or modified the following sites: sydneybhale.com, hacknc.com, vetanda.org, edwardtrentzsch.com/photography.

ACTIVITIES & LEADERSHIP

HackNC | 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 | 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.

Enabling Technology Club | Member
August 2017 – Present
- Contribute to the collection of over 10 million books read on Tar Heel Reader that allows individuals with disabilities to read for education and enjoyment.