

# Ethan T. Little

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Web Portfolio: <https://littleet9.github.io/index.html>

## Education

**Appalachian State University** - Boone, N.C.

August 2018 - May 2022

*Bachelor of Science, Computer Science Honors*

Junior with 93 credit hours. A cumulative earned GPA of 3.67 as of the end of Fall 2020

Dean's List 2018 - 2020, Chancellor's List 2018 - 2019, ERCS Scholar

## Relevant Coursework

**Completed:** Client-Side Web Programming (HTML 5, CSS, Javascript), Computer Systems I & II (C++ & C), Intro Computer Systems (C), Database (SQL & PHP), Data Structures (Java), Programming Languages (Haskell), Intro Theoretical Computer Science, Computer Science II (Java), AP Computer Science (Java), Intro Linear Algebra, Discrete Mathematics, and Calculus with Analytic Geometry I - III.

**In progress:** Server-Side Web Programming (PHP, Node.js) and Technical Writing for Comp Sci.

## Work Experience

**Appalachian State University**

May 2020 -

*Research Assistant*

- Researching new trends in free-space optical data center network topologies that provide reconfigurability, high fan-out, scalability, lower costs, lower heat, and lower hop-count for intercommunication.
- Using OMNeT++ and INet to build and test simulated data center network topologies and technologies.

## Projects

**ECRS / S-STEM Scholars Research**

*Camp Carefree DataBase and Web Application Process*

Fall 2020 -

- Working with the board members of Camp Carefree, a non-profit organization, my team and I are in the process of creating a secure database and online application process so that Camp Carefree counselors and campers can apply online, to save time, money, and frustration that comes with paper applications for the directors and nurses of Camp Carefree.
- HTML 5, CSS, Javascript, MongoDB, React, Node.js, and AWS.

*Unreal Engine Game Development*

Fall 2019 - Spring 2020

- Using Unreal Engine on a team of 4 we developed a small horror game in a building modeled after the computer science building at App State.

## Achievements

**Awarded ECRS Scholarship**

August 2019

**2nd Place in the Nation for Computer Programming, Skills USA**

July 2018

**1st Place in North Carolina for Computer Programming, Skills USA**

April 2018

## Technical Skills

**Languages:** Java, C, C++, HTML5, CSS, Javascript, Haskell, Assembly **Tools:** Vim, PuTTY, Unix, OMNeT++ & INet, Unreal Engine, Premiere Pro, Photoshop **Other:** GitHub, Data Structures, AWS Lightsail, Networking, Computer Engineering **Social:** Communication, teamwork, and leadership.

## Volunteer/Community Involvement

**Camp Carefree**

2014 -

- Camp Carefree is a summer camp for kids with chronic illnesses and I have had 7+ years of voluntary involvement with them. Served as a Counselor, Supervisor, and Staff member. This past summer helped with turning camp online, producing videos, online posts, and activities.