**Ella Carter**

Charlotte, NC 28262 | ellahcarter42@gmail.com | (252) 678-0854 | linkedin.com/in/ellacarter42/

**EDUCATION**

**University of North Carolina at Chapel Hill August 2023**

*Bachelor of Arts:* Computer Science – Minor in Environmental Science

GPA: 3.4

**Related Coursework:** Environmental Ethics, Environmental Law, Environmental Business, Environmental Policy, Web Development, Software Engineering, Intro to Statistics, Public Planning, Data Structures

**RELATED WORK EXPERIENCE**

**Teaching Assistant, UNC CH Dept of Applied Sciences**, Chapel Hill, NC  **January 2023-May 2023**

* Mentored 60 students in designing and building projects using CAD software and the technology in UNC’s makerspace. Examples of this technology include 3D printers, circuitry equipment, and laser cutters.
* Taught students to program Arduinos with Python
* Coordinated with five other TAs to host office hours, ensuring widespread availability

**Hurricane Recovery Research Assistant, Carolina Population Center**, Chapel Hill, NC  **June 2021-December 2021**

* Conducted 15 – 20 hours of surveys on Hurricane Dorian Survivors identifying how their physical, mental, and financial wellbeing had been affected by the natural disaster.
* Maintained data for over 100 surveys in a proprietary database.

**Climate Change Advocacy Intern, Working Landscapes,** Warrenton, NC **January 2021 – April 2021**

* Created a literature review covering how climate change will impact agriculture in NC
* Wrote a presentation for other food hubs in NC on how climate change will impact their work and how they can adapt their programming to take climate change into account; food hubs are facilities that facilitate the distribution of locally grown produce

**Renewable Energy Education Intern, Center for Energy Education,** Roanoke Rapids, NC

**May 2020 – August 2020 and May 2017 – September 2017**

* Developed and delivered a report and presentation on racial equity in the solar industry
* Researched and wrote script and delivered narration for a video on climate change in NC
* Collaborated with four local teachers to design, run, and teach two summer camps for middle school students about renewable energy
* Compiled a list of 400+ community leaders in Excel, then created and sent each of them invitations to C4EE's grand opening in October of 2017

**RELATED VOLUNTEER EXPERIENCE**

**Hub Leader,** *Sunrise Movement***, Warren County and Chapel Hill, NC September 2019-May 2021**

* Sat outside UNC’s administrative building with posters every Friday in a climate protest for six months
* Wrote an op-ed about the opportunity for renewable energy development to create jobs that was published in a local newspaper
* Recruited 25 volunteers and provide them with materials to send 1,000 post cards to voters
* Organized a climate protest in Chapel Hill in December 2019 by collaborating with 6 other activists to recruit 10 speakers, find sound equipment, and distribute 150 flyers

**SKILLS**

**Programming Languages:** Python (Advanced), Java (Intermediate), JavaScript (Advanced), SQL (Intermediate)

**Tech Tools:** Microsoft Excel, Microsoft PowerPoint Outlook, Google Maps, Tableau, GitHub, PVSyst

**General Skills:** Technical troubleshooting, data collection and analysis, data visualization, report writing, knowledge of the renewable energy industry, meeting facilitation, project management, technical communication, relationship building, public speaking, presentation development, research skills, customer service