**Ella Carter**

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**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 Policy, Environmental Economics, RegEx and Data Sorting

**RELATED WORK EXPERIENCE**

**Hurricane Recovery Research Assistant, Carolina Population Center**, Chapel Hill, NC  **June 2021-December 2021, Worked 35 – 10 hours per week**

* Conducted 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

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

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

* Compiled and analyzed data metrics to create a report on racial inequity within the solar industry
* in Excel, then created and sent each of them invitations to C4EE's grand opening in October of 2017

**Software Engineering Intern, Steelcase,** Grand Rapids, Michigan  **May 2018 – August 2018, Worked 40 hours per week**

* Designed and developed a tool in SAP ABAP for copying and editing bills of material in collaboration with users
* Programmed searchable audit of paper tests in factories in SQL
* Developed Tabu search algorithm for allocating office space in C# and integrated it into .Net web app

**COMPUTER SCIENCE PROJECTS**

**Events Calendar,** Class Project **April 2023**

* Collaborated with a team of 4 and developed a fully functional web application using the **AngularJS** framework. Our web app featured a **Python** based backend, a **SQLite** database engine, a **SQLAlchemy** database toolkit, and a **FASTAPI** RESTful API

**RELATED VOLUNTEER EXPERIENCE**

**Hub Leader,** *Sunrise Movement***, Warren County and Chapel Hill, NC**

**September 2019-May 2021**

* Participated in and ran GOTV campaigns for the 2020 presidential and senate elections in NC and GA. Knocked on doors and vote tripled in GA. Compiled a list of democratic voters in Excel and organized a post card and door knocking campaign to reach those voters. In total, over 10,000 voters in rural eastern NC were contacted.
* Organized a climate protest in Chapel Hill in December 2019 by recruiting 10 speakers, finding sound equipment, and distributing 150 flyers.

**SKILLS**

**Programming Languages:** Python (Advanced), SQL (Advanced), Git (Intermediate), HTML (Advanced)

**Tech Tools:** React JS, Angular JS, Tableau, GitHub, VS Code, CAD, Microsoft Excel

**Languages:** Conversational in Arabic

**General Skills:** Data compilation, data analysis, survey taking, report writing, political canvassing