

William Roberts Chapin

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Experience

REU Site Researcher

June 2022 – July 2022

Temple University, Philadelphia, PA

- Won 3rd place in the program, an NSF funded Research Experience for Undergraduates, for my research and my following presentation.
- Discovered a potentially new attack on Amazon Alexa. I am continuing the research in Fall 2022 at Grinnell and hope to publish it in 2023.
- Studied voice personal assistants (VPAs) like Amazon Alexa and Google Home.

Research Associate

February 2021 – December 2021

Jack Faucet Associates, Bethesda, MD

- Point person leading data collection for a U.S. Federal contract analyzing \$25 billion+ in spending.
- Managed project communications with city and state governments and with Fortune 500 companies.
- Implemented complex Excel style equations for improved tracking of funds.

Sustainability Coordinator

Dec. 2019 – March 2020, and

Grinnell College, Grinnell, IA

Jan 2021 – Present

- Established the position at Grinnell in collaboration with other members of the Student Environmental Committee.
- Analyze data about college transportation and energy consumption in order to reduce future emissions.
- Develop initiatives to improve the state of sustainability at Grinnell.

Education

Bachelor of Arts (Computer Science & Mathematics)

Expected May 2024

Grinnell College, Grinnell, IA

- GPA: 3.7/4.0
- Relevant Course Work:
 - Computer Science - Computer Vision, Analysis of Algorithms, Algorithms and Object-Oriented Design, Software Development and Design
 - Mathematics - Abstract Algebra, Graph Theory, Linear Algebra
 - Other - Microeconomics, Environmental Economics

High School Diploma

June 2019

Dalton School, New York, NY

Skills

Computer Languages: Java, R, Python, C, C++, MATLAB, Scheme, and HTML | Shiny | Writing | Data Compilation and Analyses | MS Office Suite | Critical Thinking | Research | Team Communication