

Madeleine Taft

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EDUCATION

Cornell University, College of Engineering, Ithaca, NY

Bachelor of Science, Computer Science

Freie Universität, Berlin, Germany

Berlin European Studies Program

Expected May 2023

GPA: 3.94

January-May 2022

Relevant Coursework:

Operating Systems, Intro to Database Systems, Intro to Algorithms, Computer System Organization, Functional Programming, Discrete Structures, Object Oriented Programming and Data Structures, Intro to Computing Using Python

SKILLS & LANGUAGES

Proficient: Java, Python, PHP, Git

Experience With: HTML/CSS, JavaScript, C, OCaml, UNIX/Linux

WORK EXPERIENCE

Software Engineering Intern, *Etsy, Inc.*

May-August 2022

- Worked on the Search Engine Optimization team under the Marketing Technology department to improve Etsy's website traffic from search engines like Google.
- Launched several A/B tests and SEO Split tests aimed towards improving ranking and indexing of Etsy's pages on search engines, resulting in higher page traffic and increased GMS
- Expanded sitemap generation for market pages to include up to 250K urls, enabling greater discovery of pages on Google search engine

Software Engineering Intern, *Etsy, Inc.*

May-August 2021

- Worked on the Data Discovery and Reporting Tools team under the Data Engineering department to investigate and develop a metadata discovery tool for all of Etsy's data users
- Helped with a proof of concept for the tool Datahub, involving learning about its metadata ingestion architecture, evaluating data ingestion using Etsy's datasources, and connecting with the open-source community to determine feasibility of long-term use
- Revived an outdated in-house metadata discovery tool by developing a metadata retrieval pipeline from Etsy's current data warehouse, providing metadata for thousands of critical datasets.

Undergraduate Consultant, *Cornell CIS*

Feb 2021-Dec 2021

- Worked on the course staff for *Object Oriented Programming and Data Structures* with almost 500 students
- Duties include grading assignments, hosting office hours every week, and answering student questions on online discussion forums

Engineering Peer Advising, Cornell College of Engineering, *Peer Advisor*

Sept. 2020 - Dec. 2020

- Lead a class about opportunities at Cornell, including presentations, panels, and other activities
- Assist a faculty advisor in planning and organizing events and activities for a class of ~20 freshman engineers

LEADERSHIP

ChemE Car, Cornell University, *Battery Omega Subteam Lead*

May 2021 - Jan. 2022

- Lead a subteam of 6 people to research and develop several battery chemistries, including Al-air and Zinc-alkaline
- Collaborate with other subteams to develop a car that has competed at regional and national competitions

Alpha Omega Epsilon, *Head of Philanthropy*

Jan. 2021 - Jan. 2022

- Lead a philanthropic committee to plan and organize philanthropic events for a sorority of ~50 girls
- Organized events including letter writing, virtual volunteering, park cleanup, clothing drive, and more.

BigRed//Hacks, *Finance Co-lead*

May 2021 - Jan. 2022

- Create and maintain the budget for Cornell's largest hackathon
- Help with event organization, planning, and hosting including setup, in-person and virtual assistance, and opening/closing ceremonies