

Olivia Wirsching

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EDUCATION

Bowdoin College | Computer Science Major, Mathematics Minor

Expected B.A. May 2024 | GPA 3.88

Awards: National Merit Scholar, NESCAC All-Academic Spring 2022

Relevant Coursework: Algorithms, Data Structures, Computer Systems, Operating Systems

TECHNICAL SKILLS

Languages: TypeScript / JavaScript, Python, HTML, CSS, Java, C, SQL

Technologies: React, Git / Github, Unix, HTTP Methods, Next.js, Node.js, GraphQL, Jest, AWS Amplify, AWS Route53, Flask

Skills: Full-Stack Development, UI/UX Design, OOP, Relational Databases, Scrum / Agile Methodologies

EXPERIENCE

Warner Bros. Discovery | Software Engineering Intern

New York, NY | Summer 2023

- Created a **TypeScript** website to demonstrate how a client should integrate with an internal Content Management System
- Accelerated onboarding, improved end-to-end feature testing, and facilitated product promotion for the CMS
- Deployed site as a serverless application on **AWS Amplify** with a **React**, **Next.js**, and **Node.js** frontend and **GraphQL** backend
- Provided API reliability using **Github Actions** and **Jest** to automate testing and **Next.js** for server-side rendering and caching
- Owned development of website by preparing requirements, writing documentation, and communicating with stakeholders

Bowdoin Course Reviews | Co-Creator

Brunswick, ME | 2022 - 2023

- Built a full-stack website using **React**, **JavaScript**, and **Python** to visualize 1,900+ course reviews written by students
- Designed site architecture, UX, and UI to organize complex data in a simple and readable format
- Ensured reliability through using **AWS RDS** to store data and **AWS AppRunner** to host the website
- Collaborated with Bowdoin Administrators and Student Government to launch app to the student body in Fall 2023

The Philadelphia Phillies | Software Engineering Intern

Philadelphia, PA | Summer 2022

- Pushed 20+ full-stack features into production by quickly learning **React**, **TypeScript**, and **SQL** with no prior experience
- Improved data validation and scout management by building a **React** and **TypeScript** UI to filter 40k+ baseball teams
- Balanced complex state management by applying filters and requesting data using **HTTP methods**
- Increased testing coverage using **React Testing Library**, **Jest**, and **Pytest**
- Engineered data-driven components by querying and assessing relational databases

LEADERSHIP AND EXTRACURRICULARS

Varsity Women's Golf | Bowdoin College

Brunswick, ME | 2020 - Present

- Lead team as captain for the 2023 - 2024 seasons
- Balance academic and extracurricular commitments while dedicating twenty-five hours per week to training

Bowdoin Women in Computer Science | Bowdoin College

Brunswick, ME | 2020 - Present

- Participate in panels to share industry information with young women at Bowdoin
- Work with fellow students to increase Bowdoin's female involvement in the tech industry

INTERESTS

Web Development, Golf, Graphic Design, Learning Italian