

# Jack McGowan

(603) 490-1517 • jack@mcgows.com • github.com/mcgows

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## Education

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- University of Vermont, Burlington, VT** 2019-2023 (expected)
- Bachelor of Science in Computer Science
  - Minor in Business Administration
  - GPA: 3.35
- Berwick Academy High School, South Berwick, ME** 2015-2019

## Experience

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### Work

- **Hyperproof** | Software Engineering Intern 06/2022 – 08/2022
  - Designed and deployed restructure of async job queue to improve the user-experience with up to 2x reduction in wait-times. (**C#, Go, Java, TypeScript**)
- **University of Vermont ETS Client Services** | Technician 04/2021 – Present
  - Provide IT and Computer Hardware support to students and faculty on enterprise solutions (**MacOS, Windows, Office Suite**)
- **Equality Asset Management** | Intern 06/2021 – 08/2021
  - Designed internal tool for data cleansing and transformations to be used for analysis that resulted in >20% improved efficiency. (**JavaScript**)

### Projects

- **Virtual Playing Card Game**
  - Utilized an agile development process to implement a card game on the Model-View-Controller framework, including writing an extensive test suite and an automated CI/CD pipeline. (**Python**)
- **Catamount Classifieds**
  - Small scale web application to create and host craigslist style listings. (**PHP, HTML, CSS, SQL, JavaScript**)

## Technical Skills

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### Tools:

Visual Studio Code, Git

### Languages:

C/C++, Java, Python, HTML, CSS, PHP, and SQL

### Operating Systems:

Windows 7/8/10/11, MacOS X, Linux

### Relevant Course Work:

Machine Learning • Data Structures and Algorithms • Computer Organization • Computability and Complexity • Software Engineering • Discrete Mathematics • Linear Algebra • Operating Systems • Algorithm Design • Database Design