



Gregory Jackson

gregtj30@gmail.com | (301) 338-3670 |  Github |  LinkedIn

Graduating in May 2024 with a B.S. in Computer Science, currently seeking entry-level software engineering roles. Interests include functional programming, compilers, and systems. Proven foundation and experience in JavaScript/TypeScript and other web technologies.

EDUCATION

University of Maryland, College Park 2020 – 2024 (expected)

B.S. in Computer Science

- **Relevant Coursework:** Computer Systems, Discrete Structures, Algorithms, Adv. Data Structures, Computer Networks, Compilers, Computer Graphics, Database Design

EXPERIENCE

Immuta College Park, MD

Software Engineer Intern 05/2022 – 01/2024

- Collaborated on agile full-stack development of a TypeScript product using Node.js, Angular, and PostgreSQL
- Spearheaded the development of a customer-facing background job API from inception to implementation, enabling users to easily query internal application operations
- Engineered standardized schemas for webhook communication with third-party data integrations, enhancing data safety and developer experience
- Developed a modular large-scale testing suite in Python to measure the performance of data integrations

PROJECTS

Compiler Error Handling *Racket*

Author 2023

- Implemented a try-catch style error handling system in a compiler for final project in Compilers course
- Features nested error handling and pattern matching on a raised error value

BitTorrent Client *Rust*

Contributor 2022

- BitTorrent protocol client built for group final project in Computer Networks course
- Implemented HTTP and UDP tracker protocols
- Worked on serialization and deserialization of protocol messages

Personal Website *TypeScript, React*

Author 2021

- A reactive portfolio website containing bio and projects, along with my contact information
- Written using TypeScript, Next.js, TailwindCSS; hosted on Vercel cloud

SKILLS

- **Programming Languages:**
 - TypeScript, JavaScript, C/C++, Java, OCaml, Rust, C#, Ruby, Python
- **Web Tools, Frameworks, Databases:**
 - HTML/CSS, Angular, React, Next.js, PostgreSQL, MySQL
- **Other:**
 - Unix/Linux, Git, GitHub, Bash, Docker, Nix/NixOS