Will Graham

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EDUCATION

University of Maryland   College Park, MD
Bachelor of Science, Computer Science; Specialization in Machine Learning   *Expected May 2027*
- Relevant Coursework: Algorithms, Organization of Programming Languages, Object Oriented Programming II
- **GPA: 3.96**

EXPERIENCE

Software Engineer Intern   August 2024 – Present
LX Aer   *Remote*
- Improved page load times by **15%** using **Next.js** dynamic imports to defer loading of non-critical components
- Developed an admin dashboard used by **8** organizations to manage **50+** users, which improved administrative efficiency by **25%** with bulk imports from .csv files and user management features
- Integrated Google Drive file picker into **React** app, enabling seamless file selection and cloud storage access

Full Stack Developer Intern   July 2024 – Present
Constellation Technologies   *Remote*
- Developed **3** dashboard pages using **React** and **Firebase** to assist student entrepreneurs in launching startups
- Increased mobile page load times by **20%** by optimizing API calls and implementing mobile-first web design
- Reduced code delivery times by **4 days** by restructuring the project directory and improving code organization
- Collaborated with a team of **11** developers using **Git** for code integration and to ensure smooth project delivery

PROJECTS

Echo Spot | [Project Website](#) | [GitHub](#)   August – October 2024
- Developed an anonymous social media app using **Next.js**, **React** and **Tailwind** CSS for a responsive frontend
- Created REST APIs using **Express.js** to handle CRUD operations and interact with a **MongoDB** database
- Leveraged Clerk for user authentication and to secure API endpoints that handle sensitive user data

Caprice | [Project Website](#) | [GitHub](#)   June – August 2024
- Created a full-stack clone of Notion using **React**, **Typescript** and **Tailwind** CSS for a dynamic frontend
- Built API endpoints in **Next.js** to interface with Convex DB for efficient data management and retrieval
- Implemented user authentication with Clerk, ensuring proper access verification on all pages and notes
- Deployed the website on Vercel, enabling users to share and publish their notes publicly with ease

Food Finder | [GitHub](#)   January 2024
- Implemented a website using JavaScript giving users a list of recipes based on the ingredients they currently have
- Integrated the **Spoonacular API** for flawless searching and viewing of recipes and instructions
- Implemented local storage to optimize API calls and maintain user-entered data on page refreshes

ACTIVITIES & LEADERSHIP

App Dev Club – Bootcamp member   February – May 2024
- Completed a semester long club course to learn web development and develop my own personal website
- Learned and implemented web technologies such as Git, React, Django, NodeJS, and HTML/CSS
- Collaborated with other members and mentors to help build and style our websites

Steel City Codes – Volunteer Teacher   July 2022
- Taught "Intro to Java" class to a class of **26** students
- Communicated with other volunteers to effectively plan class schedules and curriculum
- Explained the benefits of and guided students into implementing Object Oriented Programming

TECHNICAL SKILLS

Languages and Frameworks: Next.js, React, Typescript/Javascript, TailwindCSS, Express.js, Node.js, HTML/CSS, MongoDB, Firebase, Python, Flask, Java, C
Developer Tools: Git, Github, Postman, Cypress, VS Code, IntelliJ, Eclipse, JUnit