

Ethan Baker

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Professional Summary

- Performance-focused professional with outstanding skills in full-stack development across 15+ projects
- Adaptive autodidact constantly working to expand 20+ language/framework skill set
- Driven by teamwork and an innate passion for creating complete and high-quality solutions to problems

Experience

Software Developer Intern

Remote

Transend Financial

June 2024 - Present

- Spearheaded construction of Angular/TS admin dashboard, resulting in 100% edit-ability of MySQL databases
- Collaborated as 1/3rd of the company's development team to communicate regular software solutions
- Implemented Java SpringBoot services in 2 projects, leading to injection-safe queries and API modularity

CEO/CTO

Raleigh, NC

SmartPlanner

August 2023 - Present

- Directed customer discovery over 3 months, resulting in product prototyping and iterative development
- Spoke directly with customers to develop a user-first solution, cutting prospective schedule crafting by 80%
- Constructed Angular/Typescript frontend and Golang API backend as a minimum viable product in 2 months

Software Development Intern

Boulder, CO

Bio-Rad Laboratories

May 2022 - May 2023

- Collaborated with cross-functional teams using Agile methodology to provide code reliably for 5 projects
- Developed 4 logical C++ firmware process controls, leading to unlimited R&D use cases and elevated scalability
- Solely managed 2 user-facing applications, ensuring modern git processes and code styles across TS and C++

Education

North Carolina State University

Raleigh, NC

Bachelor of Science in Computer Science, AI Concentration

GPA: 4.0

- Minors: Physics, Business Entrepreneurship
- Activities: Lead Tech Manager of the Park Mentor Program, NC State Entrepreneurship Program

Projects

Horus - ([GitHub](#))

Jan 2024 - Present

- Description: An open-source, modularity-focused personal assistant connecting over 5 various existing tools
- Technologies: Golang, SQL, OpenAI, HTTP protocols, External APIs (Notion, Discord, OpenWeather)
- Outcome: Experience all over the tech stack, gained insight on how to break down work into subtasks

ValAi Model Consulting - ([ValAi](#))

May 2023 - July 2023

- Description: Led data collection and model architecture creation for estimating carbon footprints in 10 countries
- Technologies: Excel, Python, PowerPoint, statistical analysis, business communication, public APIs
- Outcome: Experience as a consultant in a team of 3, designing high-level architecture with a small business

Game AI Showcase - ([GitHub](#))

Jan 2023 - May 2023

- Description: A game engine showcasing 12 widely adopted AI algorithms and their applications
- Technologies: C++, Make, Data Structures (trees/graphs/etc), Algorithms (pathfinding/behavior/etc)

- Outcome: Obtained a richer understanding of 10+ data structures and algorithms commonly utilized in software

Honors

Park Scholarship

April 2021 - May 2025

- 1 out of 40 scholars chosen out of 2200 applicants receiving a full ride to North Carolina State University
- Selected for outstanding accomplishments and potential in scholarship, leadership, service, and character

Morehead-Cain Scholarship Finalist

April 2021 - May 2025

- 1 of 160 finalists selected from 2000 applicants for the Morehead-Cain scholarship at UNC Chapel Hill
- Selected based on extraordinary leadership, character, scholarship, and physical vigor

Additional

- **Technical Skills:** Full Stack, Frontend, Backend, Data Science, HTML/CSS/JS, Python, Golang, Java, C/C++, CI/CD, Git, SQL, Linux, Agile, Angular
- **Volunteer Experience:** Middle School Coding Teacher for 80+ students to encourage the youth to learn code
- **Interests/Hobbies:** Coding, Goalkeeping, Puzzles/Sudoku, D&D, Hiking, Biking, Notion