

Garrett C. Strange

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EDUCATION

University of Kentucky, College of Engineering

Bachelor of Science – Computer Science (Expected 05/2027)

Lexington, KY

Cumulative GPA: 3.2

Relevant Coursework and Skills

Microsoft Office – Certified User, Swift, Java, SQL, C++, C, Assembly, MATLAB, HTML/CSS, Python, JavaScript, Node.js, Github, Docker, Circuit Design, Computer Hardware, Computer Networks, A.I. Development, OS Development, Web Development, Game Development, App Development

EXPERIENCE

Networking Internship

Fort Thomas, KY

IT Intern

Aug 2023 – May 2023

- Configured and optimized access points, routers, and other devices for a network infrastructure spanning across five schools
- Ensured robust Internet connectivity and collaborated with IT specialists to maintain secure and reliable distribution systems

Sole Proprietor

Fort Thomas, KY

Freelance Software Engineer

May 2022 – Current

- Built and deployed a scalable e-commerce platform using React and Node.js, effectively generating passive income through software compatible with Windows and Mac systems
- Packaged Docker-based desktop applications to provide seamless installation and enhance accessibility for users of varying technical proficiency
- Designed and developed bespoke website portfolios and online resumes, offering visually appealing and professional-grade solutions tailored to client needs

Independent Technology Projects

Fort Thomas, KY

Computer Engineer

Jun 2021 – Current

- Spearheaded the creation of cOSmo, a terminal-based operating system designed to optimize machine-specific tasks through modular architecture enhanced scalability
- Developed engaging small-scale games in Godot, focusing on dynamic gameplay mechanics and interactive user experiences to maximize entertainment and accessibility
- Designed and implemented a custom GPT model, focusing on modular components to support customizable tokenization and inference tasks

Ellison Construction Company

Fort Thomas, KY

Operations and Maintenance

Feb 2020 – Aug 2020

- Worked collaboratively within a maintenance team to execute tasks efficiently while coordinating efforts with colleagues to complete projects in a timely manner
- Effectively maintained each facility's operational excellence and appearance for a multitude of apartment duplexes

LEADERSHIP AND INVOLVEMENT

Computer Science Assistant

Aug 2021 – May 2023

- Abetted a teacher by teaching peers the fundamentals of introductory computer science languages such as Java, Swift, and Snap
- Reviewed and debugged peer's code while demonstrating an ability to teach a class a multitude of arising problems and counterfeit solutions to solve computational issues

Highlands Robotics Team

July 2021 – Mar 2021

- Contributed to the construction and programming of a robot capable of moving and turning to shoot basketballs from two distinct heights and with the ability to climb raised bars
- Competed in the FIRST Robotics Competition with a team with unique technical skills, placing sixth out of fifty competing teams
- Created a GUI software that helped teammates track scores of other competitor's robots and automatically logged each score into a public database, ranking and comparing each team by a multitude of assets

Governor's School for Entrepreneurs

Jun 2021 – July 2021

- Collaborated cross-functionally with a team of four entrepreneurs with diverse backgrounds during an immersive 3-week program, ultimately utilizing various skillsets to construct a ready-to-launch business from scratch
- Adaptively tackled problems to lead a three-person team through the program and build a business pitch; presented business idea to a large audience and business leaders
- Estimated finances for business and took the lead on product development; leveraged engineering skills to design an innovative new technology capable of solving a problem millions of people face every day

HONORS AND AWARDS

Xerox Award | National Honor Society | Governor's Provost Scholarship | Computer Science Honor Society | iOS and App Development Certification