

Mark Faust

(516) 776-2944 | marktfaust3@gmail.com | [linkedin.com/in/markfaust123](https://www.linkedin.com/in/markfaust123) | github.com/markfaust123

EDUCATION

Johns Hopkins University

Baltimore, MD

Bachelor of Science—Computer Science & Physics (Dean's List - 3.94 GPA)

Expected May 2026

- Relevant Coursework: Data Structures, Intermediate Programming, AP Computer Science AB, Linear Algebra, Multivariable Calculus, Demystifying Venture Capital, Entrepreneurship: Idea to Early Product Design (Columbia)
- Honors: Bucknell Yo-Yo Award for Physics and Astronomy Nominee, Michael J. O'Donnell Mathematics Award, Society of Hispanic Professional Engineers High School Senior Scholarship, National AP Scholar with Distinction
- Interests: "Cheers" TV show, Golf, Soccer (goalie), Elton John, John Denver, the Jersey Shore, Skiing, Exploration

SKILLS

- Programming Languages: Java, C/C++, Python (Numpy, Matplotlib, Pandas), HTML, CSS, JavaScript, MySQL
- Software & Tools: IntelliJ, VSCode, Git, jGrasp, Figma, WiX, KIPR Wombat, Arduino, Bootstrap, phpMyAdmin
- Campus Involvement: Association for Computing Machinery, ICPC Team, Brain-Computer Interface Society Board

PROJECTS

Vigilant-Fiesta

Baltimore, MD

Full-Stack Developer

Fall 2022

- Built a web application with 3 teammates which allows other developers to upload and scan their code repositories for unintentionally-exposed secret keys/passwords (vulnerabilities) using RegEx identification and entropy calculation.
- Implemented front-end user interface, employing HTML, CSS, and Bootstrap.
- Constructed the back-end database, writing in SQL and leveraging phpMyAdmin.
- Finished 5th out of 50 teams from across the tri-state area in the under-36 hour hackathon (HopHacks 2022).
- Devpost: devpost.com/software/vigilant-fiesta | Github: github.com/markfaust123/vigilant-fiesta

Slice Calendar

Virtual, NY

Co-Founder

May 2022 - Present

- Joined forces with 4 international high school students from the USA, Turkey, Russia, and India to apply the LaunchX Entrepreneurship Program curriculum and build a Software as a Service startup from scratch to sales in just 5 weeks.
- Generated over \$300 in actual product sales and \$1,000 in contract guarantees and ensured our team OKRs were met.
- Analyzed financial projections with Google Sheets to predict our break-even point to be by June of 2025.
- Optimized UX and Marketing team's design and outreach processes, utilizing WiX, Google Slides, Google Forms, and Figma to build Proof of Concept and Minimum Viable Product wireframes for A/B Testing. (slicecalendar.com)

KISS Institute of Practical Robotics Botball Team

New York, NY

Captain

September 2021 - June 2022

- Engineered functions in ANSI C which conducted analyses of input data from microelectronic hardware technology.
- Deployed motors, servos, IR sensors, and RGB computer vision cameras for autonomous environment adaptation.
- Executed 84 hours of program runtime and in-lab hardware-software integration with the KIPR Wombat controller.
- Simulated robot performance using KIPR Virtual Botball IDE throughout the 2-week competition prep period.
- Led our 4-person squad to placement in the 2022 KIPR Botball NY/NJ Regional Robotics Championship.

LEADERSHIP

National Honor Society Loyola Chapter

New York, NY

President

January 2020 - June 2022

- Tutored 15 students each week across Coding 101 (HTML/CSS), Robotics (C), and AP Computer Science AB (Java).
- Reinforced understandings of AP CS topics including recursion, sorting algorithms, inheritance, classes, and objects.
- Reviewed Robotics code to debug faulty subroutines, correct formatting issues, and reevaluate flawed logic.
- Learned how to readily adopt new teaching methods to accommodate unique educational preferences.

De La Salle After School Virtual Tutoring Program

Freeport, NY

Founder

September 2019 - June 2022

- Pioneered rapid implementation (under 3 weeks) of an entirely web-based, virtual tutoring platform for all 56 of the under-resourced students of the De La Salle School after the onset of the COVID-19 shutdown.
- Provided mentorship for middle schoolers and improved their studying, critical-thinking, and communication skills.
- Assembled and directed a team of 5 highschool peers to help assist in developing cross-functional relationships between DLS students and NYC high schoolers. (bit.ly/delasalleafterschool)