KRUSHAY BHAVSAR

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EDUCATION

Georgia Institute of Technology, *B.S. in Computer Science*   Aug 2023 – May 2027
- **Relevant Coursework:** Introduction to Object Oriented Programming (CS 1331), Linear Algebra (MATH 1554)
- **Clubs and Activities:** Startup Exchange, Venture Capital Club, CREATE-X, HexLabs, GreyHat Club, CS + Social Good, GOALSoccer, Table Tennis Association at Georgia Tech, Grand Challenges Living Learning Community

Secaucus High School – GPA: 4.851, *Valedictorian*   Sep 2019 – Jun 2023
- **Clubs and Activities:** STEM Academy, Robotics Club, Junior State of America, Math Club, Varsity Cross Country
- **Honors and Awards:** Placed 1st in the international SimpliHacks and High Tech Hacks Hackathon, 2nd place Advanced Math Mathfax Contest, 1st place Kiss Institute of Practical Robotics (KIPR) National Botball Competition

EXPERIENCE

Jane Street Capital, Quantitative Trading Firm   **New York, NY**
Academy of Math and Programming Intern   Jul 2023
- Selected as one of 77 nationally for a rigorous 5-week program focused on **mathematical data analysis** and programming
- Developed trading strategies to automate market exchanges and placed 7th in Jane Street's Electronic Trading Competition
- Explored **combinatorics** and **number theory** with IMO medalists and solved complex linguistic and game theory problems

Cisco Systems, Technology Cooperation   **New York, NY**
Summer Extern   Jul 2022
- Formulated technological solutions to issues posed in the public transportation sector and presented to company executives
- Acquired certifications and an integrated understanding of **cybersecurity** and **IoT** through various NetACAD sessions
- Cultivated networking, communication, and vital team building skills while interacting with influential company executives

Mission Mentor, Harvard Technology Startup (acquired)   **Boston, MA**
Senior Software Developer   Aug 2021 – Apr 2022
- Delivered critical product features on the main **ReactJS** site, the **Java Spring Boot** backend, and **PostgreSQL** database
- Contributed to a cross-functional development team, worked on product backlog, and followed the **Agile scrum** workflow
- Led standup meetings, discussed the company's next steps at team lead meetings, and helped amass 10,000+ users globally

My Fine Mind, 501c3 NJ Nonprofit Organization   **Secaucus, NJ**
Co-Founder, Chief Marketing and Technology Officer   Aug 2017 – Aug 2021
- Co-founded a nonprofit aimed at providing impoverished children with school supplies critical for their educational journey
- Raised $25,000+ worth of school supplies for 300+ children who cannot afford adequate schooling in undeveloped areas
- Developed a website (https://www.myfinemind.org/) for donation transactions, merchandise sales, blog posts, and outreach

PROJECTS

Tutor Connect   https://tutorconnect.sboe.org
TypeScript, JavaScript, HTML, CSS, ReactJS, Firebase   Jul 2022 – Sep 2022
- **A networking platform for students to connect with verified tutors**–adopted by the Secaucus Board of Education
- The site consists of a student dashboard (for filtering, searching, and connecting with listed tutors), a tutor dashboard (for managing tutor listings and connections), and an admin dashboard (to allow invited administrators to manage user permissions, verify tutors, and track tutoring progress) **used by over 500 students and 60 verified tutors**

Tileshift   https://tileshiftgame.com
TypeScript, JavaScript, HTML, CSS, ReactJS, Firebase   Dec 2021 – Jan 2022
- **A web-based word puzzle game** in which players must vertically align lettered tiles to spell words with limited moves
- The site automatically generates a unique puzzle daily and has gained **over 125,000 hits on Reddit** with an estimated 410 players across 3 different continents and an average engagement time of 7 minutes and 40 seconds

Signslate   https://github.com/krushaybhavsar/signslate
JavaScript, HTML, CSS, ReactJS, Python, Flask   Jun 2021
- A web application that **allows users to speak and translate English to American Sign Language (ASL) and ASL to English in real-time** via webcam or microphone input and displays the ASL translation using web-scraped videos
- The site web-scrapes videos using a Flask python server and displays them on a ReactJS frontend for translation from speech to ASL, and uses a pre-trained 3-dimensional convolutional neural network for translation from ASL to speech

SKILLS & INTERESTS

Programming Languages/Frameworks: TypeScript, JavaScript, Java, Python, C#, ReactJS, React Native, Electron, Bootstrap
Markup Languages: HTML, CSS, SCSS, XML
Tools: Git, PostgreSQL, Firebase, Jira, Figma, VS Code, IntelliJ IDEA, NumPy, TensorFlow, OpenCV, Flask, Arduino, Unity
Interests: Programming, Machine Learning, Jigsaw Puzzles, Biking, Travelling, Hiking, Running, *Breaking Bad*, *The Office*