Joshua Hegstad

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EDUCATION

Columbia University, The Fu Foundation School of Engineering and Applied Science　　　　New York, NY
Bachelor of Science – Computer Science, Minor in Statistics, GPA: 3.77, Department GPA: 4.0　　　December 2026
Coursework: Advanced Programming, Intro to Databases, Data Structures, VR/AR, UI Design, 3D UI Design;
　　　　　　Discrete Math, Multivariable Calculus, Linear Algebra, Probability & Statistics, Economics

EXPERIENCE

AMLAH | Real estate tech startup　　　　　　　　　　　　　　　　　　　　　　　　　New York, NY
Full-stack SWE Intern　　　　　　　　　　　　　　　　　　　　　　　　　　January 2025 – May 2025
- Agile development with a small team of engineers: AWS, React, misc. web dev.

Standard Partners Fund LP　　　　　　　　　　　　　　　　　　　　　　　　　　New York, NY
Software Engineer Intern　　　　　　　　　　　　　　　　　　　　　　　　December 2024 – Present
- Independently built 'Investor Goggles'— a web + AR glasses platform for insight generation and knowledge management
- <u>Web</u>: HTML5, CSS3, Javascript; Flask, SQLAlchemy, Neo4j. <u>AR Glasses</u>: Snap Spectacles 24, Typescript.

Hess Corporation　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　Minot, ND
Cybersecurity and Field Automation Intern　　　　　　　　　　　　　　　　　May 2024 – August 2024
- Combined hundreds of overlapping policies/recommendations into a unified PowerBI dashboard
- Hand-built a training board for field automation workers; conducted on-site network/device assessments
- Built a Javascript MS Copilot API to adhere to data security policies while using LLMs
- Developed an Excel x Python tool to automate textual analysis over hundreds of rows

LEADERSHIP

NASA SUITS Challenge – Columbia Space Initiative | *C#, TypeScript*　　　　　　　　New York, NY
Co-Lead　　　　　　　　　　　　　　　　　　　　　　　　　　　　　August 2024 – May 2025
- Building astronaut guidance systems for the HoloLens 2 and Snap Spectacles augmented reality headsets
- Organized meetings, scrum sprints, and communication using Notion, Slack, Discord, GitHub
- Recruited and retained 20+ students— more than twice as many as last year
- Orchestrated and wrote our 2025 NASA SUITS proposal and New York Space Grant application (both accepted!)

Developer　　　　　　　　　　　　　　　　　　　　　　　　　　　　January 2024 – May 2024
- Developed Unity C# scripts for our HoloLens 2 AR astronaut guidance system (successfully tested at the Johnson Space Center)

PROJECTS

Math Modeling Workshop | *R, Pandas*　　　　　– Learning Python & R tools for data analysis & visualization

Guitar Trainer　　　　　| *Python*　　　　　– Guitar chord & scale manipulation program
Jazz Guitar App　　　　| *SQL, Flask*　　　– (Intro Databases) Jazz guitar song & chord database/web app
Don't Fret!　　　　　　| *Typescript, JS*　– (VR/AR course) Augmented reality guitar training app for Snap Spectacles
C Web Server　　　　　| *C*　　　　　　– (Adv. Programming) Implemented a web server from scratch

Cover Letter Generator　| *Python, React*　– Multi-agent LLM cover letter generator using personal documents
Cornell Hackathon　　　| *Python, JS*　　– LLM note management extension/web app
Columbia Hackathon　　| *Python, Figma*　– Journal-based podcast recommendations using LLMs & Spotify API

SKILLS

Languages: Python, R, Java, C, C#, SQL, Typescript, JavaScript, HTML/CSS, React
Tools/Skills: Unity, Lens Studio, AWS, MS Office, PowerBI, Figma, Agile dev., data visualization

ACTIVITIES

Columbia Undergraduate Scholars Program　　　　　　　　　　　　　September 2023 – Present
C.P. Davis Scholar (Top engineering admits)
Poker, Climbing, Effective Altruism clubs