Cyrus Singer

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EDUCATION

University of Pennsylvania   May 2026
Bachelor of Science in Computer Science   *Current GPA: 3.53/4.0*
Relevant Courses: CIS 3310: Networks and Security, ESE 3010: Engineering Probability

University College School (UK)   July 2023
A Levels: *Physics(AQA) A*, Economics(EDEXCEL) A, Mathematics(OCR) A*, Further Mathematics(OCR) A*
GCSE/IGCSE (all 9s): Mathematics, English Literature, English Language, Spanish, Chemistry, Biology, Computer Science, Physics, Geography, Drama

SKILLS

Languages: JavaScript/TypeScript, Java, Kotlin, Python, C/C++/C#, HTML/CSS, LaTeX, Bash, Lua, Haskell
Tools: GCP(Functions, Metrics, Cloud Run, IAM, Cloud Storage, Load Balancer), AWS(EC2, S3, Sagemaker, IAM), Firebase, Docker, Git, Tailwind CSS, Unix Shell
Frameworks: React, Node.js, Express.js, JUnit
Libraries: Tensorflow, pandas, NumPy, Matplotlib
ML Structures: Multilayered Perceptron, CNN, (bi)RNN, (bi)LSTM, GAN, AdaIN(style transfer)

EXPERIENCE

Wharton OID Lab | *Technical Lead on Bizzybots platform*   2022 - Present
lead development of an LLM-powered chatbot platform used for negotiation research and education. The development team is 5 people. I manage the development schedule, ensure product quality, and direct system design. I also do full-stack and devops development tasks. I lead development of an LLM-powered chatbot platform used for negotiation research and education. The development team is 5 people. I manage the development schedule, ensure product quality, and direct system design. I also do full-stack and devops development tasks.
Reference available upon request

Professional Tutoring | *Tutor*   2019 – Present
Self-explanatory...

Super Club | *Founder, Manager, Member*   Jan. 2021 – April 2021
Learned how to fly

Marmaduke Charity | *Volunteer, Manager*   August 2018 – Present
Interacted with and helped the local community. Earned an award for philanthropic hours spent

Playing the Oboe | *Clarinet Player*   August 2013 - June 2019
Played the oboe for years, even joining jazz and marching bands. Took significant time, effort, and practice

3rd Place Time Keeper (Local Competition, Family Tradition) | *Competitor*   Feb. 2022 – May 2022
Won $50 locally competing against high school students in keeping track of the time

PROJECTS

ChatBuzz | *TypeScript, HTML/CSS, Node.js, Webpack, Twitch API, Git, Unix Shell, VS Code*   May 2023 – Present
- Developed a full-stack web application for Twitch livestreamers to display repeated chat messages on OBS
- Experimented with Twitch API's OAuth Access Tokens to get chat data from the given channel
- Collaborated with livestreamers to get feedback and suggested features
- Solved problems relating to asynchronous tasks

FoodDropper | *Java, Maven, Spigot API, Git, IntelliJ IDEA*   August 2022
- Developed a Minecraft server plugin to limit players to one way of replenishing their hunger bar
- Used persistent data containers to save and load data, ensuring that it persists across plugin resets
- Optimized UX (User Experience) e.g. prioritized sound design, timing of food drops, supplied saturation level, and had to address many potential workarounds in the numerous ways of destroying the food dropper