

Ehretz Geskin

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SUMMARY

Software engineer with a BA in Neuroscience and Behavior transitioning from research to software development. Proficient in React, JavaScript, Node.js, and PostgreSQL, with a focus on building scalable and efficient full-stack applications. Eager to apply strong analytical skills developed through research to solve complex tech challenges and contribute to company success. Passionate about software development and bringing scientific rigor to software engineering projects.

SKILLS

Programming languages: JavaScript, Python, Basic C#, Basic MATLAB, Basic TypeScript

Web development: React, Flask, Node.js, Express.js, jQuery, HTML, CSS, MUI, TailwindCSS

Databases: Prisma, SQL, SQLAlchemy, PostgreSQL, Basic MySQL

Testing: Supertest, Jest, unittest, Vitest, Jasmine

PROJECTS

TransConnect | [GitHub Frontend](#) | [GitHub Backend](#)

March 2025

- I created a Prisma/React-driven full-stack application that allows users to find and submit resources for transgender individuals (such as hotlines, therapists, shelters, public restrooms, etc) as well as make posts and comments in order to engage with others in the community and find support.

MentalGaming | [GitHub](#)

October 2024

- I created a Python/Flask-driven full-stack application that surveys users' mental states before and after playing various browser games.
- Data collected to be used for future research on therapeutic gaming.

EXPERIENCE

Web Developer, Freelance | New York, NY

July 2025 – Present

- Creating custom single-page websites for clients
- Technologies used: Vite, React, Node.js, TypeScript/JavaScript, HTML, CSS, MUI, TailwindCSS

Head Research Engineer, InthraOS | New York, NY

Aug. 2025 – Present

- Leading research at the intersection of AI, privacy-preserving systems, and edge computing
- Contributing to product innovation through selective frontend engineering support

Lab Technician II/Software Developer, Columbia University | New York, NY

Sept. 2022 – June 2025

- Analyze, collect, and present experimental data on escape behaviors in *drosophila* using MATLAB.
- Refactor existing MATLAB code and create new scripts when needed.

Full-Stack Software Engineering Student, Springboard | Online

April 2024 – March 2025

- Completed 800+ hours of hands-on course material and mastered skills in front-end and back-end web development, databases, data structures, and algorithms.

EDUCATION & CERTIFICATIONS

Barnard College, Columbia University | New York, NY | May 2023 | *Neuroscience and Behavior, BA*

Springboard | Online | March 2025 | *Software Engineering Certificate*

- Eleven-month intensive course in Software Engineering methodologies and technologies with 1:1 industry mentor oversight.