Mohak Jain

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Education

University of California, Berkeley GPA: 3.8, Class of 2022

- ↦ B.S. Electrical Engineering & Computer Science (EECS)
- ↦ B.S. Bioengineering

Relevant Coursework: Data Structures, Computer Architecture, Artificial Intelligence, Advanced Algorithms, Computer Graphics, Machine Learning, Statistics, Parallel Programming, ML for Computational Biology

Skills: Python, Javascript, Typescript, React, Vue, Java, Git, MySQL, GraphQL, Go, Kubernetes, Google Cloud Platform (GCP), AWS, Pandas, C, C++, PyTorch

Experience

Software Engineer at Verily (Google Life Sciences) Jun. 2022 – Present

Verily is an Alphabet company using technology to transform healthcare.

- ↦ Full-stack engineer on a highly cross-functional Patient Enrollment team for all Verily products and customers running clinical studies. Previously working on telehealth solutions for opioid addiction patients.

Co-Founder & Managing Director at Health Engine Jan. 2021 – Jun. 2022

UC Berkeley-based startup accelerator dedicated to early-stage projects in the healthcare space. See https://readysethealth.io.

- ↦ Lead a team through building a startup accelerator from scratch. Raised $100k in funding.
- ↦ Hosted demo days, workshops, investor connections, and company standups for two cohorts of startups.

Software Engineering Intern at Datavant Jun. – Aug. 2021

Datavant is a company dedicated to connecting data across healthcare institutions while protecting patient privacy.

- ↦ Built a client-facing dashboard to show status of distributed data using Python and JavaScript/TypeScript.

Undergraduate Researcher at Doudna Lab Jan. 2019 – Jun. 2021

Nobel Laureate Prof. Jennifer Doudna's lab at UC Berkeley is known for CRISPR/Cas9 and RNA biology research.

- ↦ Computationally processed NGS data to find novel gene editing tools from viral CRISPRs using Python, R.
- ↦ Created data pipelines to rapidly process high-throughput experimental data from biological assays.

Principal at UC Berkeley Phoenix Consulting Group Feb. 2020 – Jan. 2022

Genome Engineering Intern at enEvolv, Inc. Jun. – Aug. 2019

Projects

PokéGAN: I trained a Generative Adversarial Network to produce pictures of Pokémon characters in PyTorch (2024).

GSMM: Applying an academic Genome-Scale Metabolic Model to a friend's research project using Python (2023).

Interests

Industry: synthetic biology, startups, using software to accelerate biology, biomanufacturing infrastructure

Fun: Writing blogs, reading literature & sci-fi, teaching myself music, abstract modern art