Anya Parekh

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EDUCATION

University of Illinois Urbana-Champaign   Champaign, IL
M.C.S in Computer Science   *Aug. 2025 – May 2026*
B.S. in Computer Science; GPA: 3.98   *Aug. 2022 – May 2025*
COURSEWORK: Artificial Intelligence, Natural Language Processing, Distributed Systems, Programming Languages & Compilers, System Programming, Data Mining, Algorithms, Prob & Stats for CS, Database Systems, Data Structures

EXPERIENCE

- **Microsoft**   Redmond, WA
  Software Engineer Intern   *May 2025 – Present*
  - Leading an inter-team project to create a code generation Copilot skill using .NET and C#, enabling users to modify and create data pipeline code through natural language prompts. Additionally, this skill will be integrated into Apache Airflow jobs in Fabric Data Factory with React and TypeScript.

  Software Engineer Intern   *May 2024 – Aug. 2024*
  - Augmented user experience in Fabric Data Factory by creating a new Copilot skill for generating summary and performance tips for Copy Data activities using .NET and C#. This replaced static performance tips, which only covered 3% of all Copy Data activities, with dynamic tips that cover all copy data activities.
  - Contributed in product-wide bug bashes, taking on additional responsibility to identify and fix bugs in other product features.

- **Hack4Impact**   Champaign, IL
  Tech Lead, Software Developer   *Sep. 2022 – Feb. 2025*
  - Built a web application for Foster Nation using TypeScript, React, and MongoDB, enabling 2000 foster youth to request gifts with image and document uploads to AWS S3, and allowing donors to fulfill requests via Stripe API.
  - Streamlined personalization and annotation suites for EthicsNet, a nonprofit that promotes machine ethics through crowdsourced datasets, using TypeScript, React, and MongoDB, to generate human-contextualized AI tokens.
  - Engineered a web application for Open Climate Fix with TypeScript, React, and Next.js, using their "nowcasting" algorithm to provide solar panel owners near-instant forecasts of expected solar power output.

- **Viget**   Falls Church, VA
  Application Developer Intern   *Jun. 2023 – Aug. 2023*
  - Modeled and developed Soli, a mobile-first web application with Ruby on Rails and AWS S3, that empowers young adults to explore their city solo by following guides created by other users.
  - Pair programmed with senior developers and collaborated with a UX team for feature planning, testing, and deployment.

LEADERSHIP

- **Tech Lead**
  Hack4Impact   *Aug. 2024 – Feb. 2025*
  - Worked with Dyslexico and directed a team of 5 developers and one designer to build a mobile application for dyslexic users to correct their writing using React Native, TypeScript, Expo, and ASP.NET.

- **Team Tech Co-Director**
  Society of Women Engineers   *Jun. 2023 – Aug. 2024*
  - Led a team of 15 women engineers to develop an Foreign Object Detection System for John Deere, composed of a React Native mobile app, thermal sensor, and metal detector intended to detect objects in front of windrowers.

PROJECTS

- **Timely**
  - Developed an activity-based social app, Timely, that connects users locally based on mutual skills, hobbies, or activities and helps coordinate a time/place to do them together using React Native, Firebase, and Expo.

SKILLS

- **Languages**: *Advanced* – Python, Java, TypeScript, JavaScript, C++/C#; *Proficient* – SQL, Ruby, Go
- **Frameworks**: React, React Native, Node.js, Next.js, Ruby on Rails, Expo
- **Technologies**: Git, Firebase, AWS, Stripe API, Figma, Data Factory, Microsoft Fabric, Copilot, Google Cloud