

Rahul Nambiar

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EDUCATION

University of Pennsylvania (Penn Engineering) | Philadelphia, PA

August 2020 – Present

- **Master of Science in Engineering (Computer Science)** | GPA: **3.93** Expected Graduation: **May 2024**
- **Bachelor of Science in Engineering (Computer Science)** | Major GPA: **3.90** Expected Graduation: **December 2024**
 - **Minors in Mathematics and Engineering Entrepreneurship**
- **Relevant Coursework:** Artificial Intelligence, Data Structures & Algorithms, Database Systems, Big Data Analytics, Venture Capital Financing, Entrepreneurship, Computer Architecture, Product Design, Discrete Mathematics
- **Clubs & Activities:** Wharton Asia Investments (Quant and Global Macro Team), Wharton Management Club (Consultant), Wharton Venture Lab Fellow, Zeta Beta Tau Fraternity (Executive Board)

Sevenoaks School | Sevenoaks, United Kingdom

August 2018 – June 2020

- International Baccalaureate: **42/45** ACT: **35** SAT II Mathematics Level 2: **800** SAT II Physics: **800**
 - **National Chemistry Olympiad Bronze Medalist, Varsity Athlete (Cricket), National Level Debate Team**
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PROFESSIONAL EXPERIENCE

Rhombus, **Software & AI Engineering Intern** | Sacramento, CA

June 2023 - Present

- Developing Rhombus' new Access Control product – implementing facial liveness detection algorithms using OpenCV and building NFC architecture on Apple Wallet to enable automated door access for >2000 enterprises

University of Pennsylvania, **Graduate Teaching Assistant** | Philadelphia, PA

January 2023 - Present

- Hosting weekly office hours, leading recitations, and creating exams/homework for CIS 5500, a 400+ person graduate level course on Databases and Information Systems at Penn Engineering (Spring and Fall 2023)

Jochi, **Co-founder & CTO** | Philadelphia, PA

June 2022 – Present

- Leading a team of 3 developers at a University of Pennsylvania backed ed-tech startup, securing over \$30,000 in early-stage grant funding from the Wharton Venture Lab – semester-long pilots at 5 schools across the US
- Analyzing over 100,000 data points from students and administrators to enhance user experience and lead feature development – www.jochi.info

National Basketball Association (NBA), **Software Engineering Intern** | New York, NY

June 2022 – August 2022

- Built an internal Express web application for testing teams to automate creating Azure DevOps and Jira tickets for 30+ engineers on the Connected Devices team
 - Developed a clustering system of 1M+ users' subscription retention rates to strategize content personalization for over 30 million users on PlayStation and Roku
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SELECTED PROJECT EXPERIENCE

Where2Move

- Led data processing and integration for a tool that calculates the ideal town to live in the US for users. Scraped and transferred over 800,000 rows of data to a MySQL database. Indexed, partitioned, and cached data to drop average query runtime to 450ms from >3s, and integrated routes to frontend

Apple Wallet Pass Creator

- Built a Spring application to generate Apple Wallet passes (including emulating NFC connections). Utilized Java security, Apple developer tools, and S3 storage to securely create and distribute >5 types of passes and cards

Penn Garage

- Worked with four friends to build Penn Garage, an internal marketplace for 20,000+ Penn students using JavaScript, React, Express, MongoDB and more. Implemented messaging, notifications, maps, filtering, and deployment

Occasions (occasionscakesuae.com)

- Developed a website for a local cake shop. Implemented and designed UI, online payment, and delivery platform integrations. Website bought in \$8000 in 3 months and has 40,000+ impressions as of June 2022

SKILLS

Proficient: Python, Java, JavaScript, HTML/CSS, SQL, MongoDB | **Intermediate:** C, OCaml, React, Spring, S3, OpenCV |

Learning: C++, Django, PyTorch, Lambda

Tools: AWS, Microsoft Suite, Git, Figma, Rhino3D, Jira