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: **December 2024**
- *Bachelor of Science in Engineering (Computer Science) |* Major GPA: **3.90**   Expected Graduation: **May 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, School Leadership**

PROFESSIONAL EXPERIENCE

Rhombus, *Software & AI Engineering Intern |* Sacramento, CA   **June 2023 - Present**

- Working on Rhombus' new Access Control product – implementing facial liveness detection algorithm using OpenCV and building NFC architecture to enable automated and remote building access on iOS devices for >1000 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 & Technical Lead |* Philadelphia, PA   **June 2022 – Present**

- Leading the software team of a University of Pennsylvania backed ed-tech startup, securing over $30,000 in early-stage grant funding from the Wharton Venture Lab - currently deployed at 5 schools in the US
- Coordinating with business team to analyze over 100,000 data points to improve user experience and assist further 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 automize creating Azure DevOps and Jira tickets for 50+ engineers in the Connected Devices team
- Collaborated closely with product, engineering, and business teams to refine streaming services on the NBA application ecosystem for over 30 million users on PlayStation and Roku
- Developed a clustering system of 1M+ users' subscription retention rates to strategize content personalization in collaboration with senior-level business development members

SELECTED PROJECT EXPERIENCE

MIPS Superscalar Processor | Philadelphia, PA

- Worked with a friend to build a superscalar, fully pipelined, 5 stage processor using UPenn's proprietary (MIPS inspired) instruction set architecture. Capable of completing one cycle of instructions in <60ns

Penn Garage | Philadelphia, PA

- 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) | Dubai, UAE

- Developed a website for a local cake shop during the COVID-19 lockdown. 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