

Paul Kiattikhunphan

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EDUCATION

University of Virginia / Charlottesville, VA

Graduation – December 2024

B. A. in Computer Science

- **GPA:** 3.82/4.0 (Dean's List x5)
- **Relevant Courses:** Advanced Software Development, Databases, Software Development Methods, Algorithms, Software Testing

PROFESSIONAL EXPERIENCE

Bitkub – Product Management Intern / Bangkok, TH

May 2024 – August 2024

- Spearheaded the decentralized exchange (DEX) feature, defined product strategy through blockchain analytics and liquidity depth analysis, and coordinated with PMs, engineers, and data science to unlock \$400,000 in new annual revenue
- Conducted complex opportunity sizing for the DEX marketplace, including SQL queries and Python-driven analysis to drive strategic decision-making, influencing 2024/25 product roadmap and aligned competing teams to descope project and save \$100,000
- Prioritized a feature backlog for a Virtual Reality (VR) app, defining technical specifications for item crafting and token transactions by analyzing 5,000+ simulated transactions and 200+ internal test reports to optimize staking rewards and asset liquidity
- Led the fraud detection and security feature for KAP-20/721/1155 smart contract standards; created wireframes, user journeys, and the software requirements specification (SRS) document to support automated transaction reversals in cases of fraud

W. R. Berkley Corporation – Product Management Intern / Manassas, VA

June 2023 – August 2023

- Spearheaded feature ideation for P&C information management software, creating 40+ tickets and a product requirement document (PRD) based on 20+ stakeholder interviews to prioritize features effectively
- Performed SQL-driven analysis to verify underwriting data integrity within insurance policy systems, cross-checked document outputs against input data, and analyzed workers' compensation datasets to identify 10+ data discrepancies
- Configured and maintained Jira workflows and dashboards for PI Planning (SAFe), automating backlog refinement and sprint tracking for 100+ development tasks, reducing backlog grooming time by 15% and improving sprint predictability for underwriting automation

FINNOMENA – Software Engineer Intern / Bangkok, TH

June 2022 – August 2022

- Developed dynamic data visualizations in D3.js for the Global Income Focus (GIF) and Retirement Income Solution (RIS) investment model, transforming portfolio metrics into personalized cash flow projections for over 1M monthly investors
- Implemented an SMS-based notification system to deliver real-time financial market updates, increasing response rate by 15%
- Led the revamp of FINT's (utility token) ecosystem to incorporate 10+ game-based learning modules, improving investor education and simplifying decentralized finance (DeFi) concepts for new users

PROJECTS

[Paul.dev Portfolio](#) – Where Code Meets Creativity (Technologies: Next.js, Tailwind CSS, Framer Motion)

- Developed a responsive portfolio using Next.js and Tailwind CSS, achieving a perfect 100/100 Lighthouse performance score
- Leveraged Framer Motion to build fluid and dynamic animations, enhancing UI interactivity and ensuring smooth transition effects
- Integrated 3D elements using Blender and Three.js, optimizing rendering with WebGL shaders for performance-efficient visuals

[Hoos Tutoring](#) – Find the Right Tutor, the Smart Way (Technologies: Django, PostgreSQL, Bootstrap)

- Directed a team of 4 developers to build and launch a tutoring platform, improving access to academic support for 25+ students
- Led development of core platform features, integrating Google OAuth and the university's Class Listing API for real-time course data
- Deployed and maintained the web application on Heroku, leveraging GitHub Actions for CI/CD, PostgreSQL for database management, and Python, JavaScript, HTML/Sass, and Bootstrap for end-to-end development

LEADERSHIP & INVOLVEMENT

UVA CS Department – Teaching Assistant / Charlottesville, VA

January 2023 – May 2024

- Led an upper-level computer science course in Human-Computer Interaction (CS3205) and Software Testing (3250) 150+ students
- Oversaw 7 project teams as head TA, provided 5+ hours of office hours per week, and awarded 35% of total course credit
- Introduced JUnit and Selenium in software testing projects, enabling hands-on experience with test automation and feature validation

FORGE – Instructor / Charlottesville, VA

August 2021 – December 2021

- Founded and instructed Source Lite, a 10-week software development course on web development (HTML/CSS, JavaScript, and React)
- Administered weekly 2-hour classes and 30-minute lab-sessions to 20+ university students

SKILLS & CERTIFICATIONS

Programming Languages: Python, C++, HTML/CSS, Java, JavaScript, SQL

Frameworks/Libraries: React, Vue.js, Next.js, Three.js, Django

Certifications: AWS Cloud Practitioner, AWS Solutions Architect Associate

Others: Agile (Scrum, XP, Lean), Git, Confluence, Jira, Figma, Unity, Blender, REST APIs, SSMS, Azure, Draw.io, Miro, Tableau, Salesforce