

Paul Kiattikhunphan

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EDUCATION

University of Virginia

Bachelor's in Computer Science

Graduation – December 2024

Charlottesville, VA

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

PROFESSIONAL EXPERIENCE

Bitkub

May 2024 – Aug 2024

Product Management Intern

Bangkok, TH

- Spearheaded the decentralized exchange (DEX) platform, defined product strategy through market research, formula generation, and blockchain data, unlocking \$800K in new annual revenue and shaping the 2024/25 product roadmap
- Defined product requirements and designed a trading system for a blockchain-integrated Virtual Reality (VR) app, collaborating with data scientists to develop mathematical models for managing asset flow and resource distribution
- Led the fraud detection and security feature for KAP-20/721/1155 smart contracts, creating wireframes, user journeys, and a software requirements specification (SRS) to support automated transaction reversals
- Researched Layer 2 scaling solutions and pitched a roll-up implementation to optimize throughput and reduce gas fees by 20%

W. R. Berkley Corporation (Fortune 500)

Jun 2023 – Aug 2023

Product Management Analyst Intern

Manassas, VA

- Conducted User Acceptance Testing (UAT) and analyzed SQL databases in insurance policy systems, cross-checking document outputs against input data to identify 20+ discrepancies across 100K+ records and policy data
- Spearheaded feature ideation for property and casualty (P&C) information management software, creating 40+ Jira tickets and a product requirement document (PRD) based on 20+ stakeholder interviews to prioritize features effectively
- Redesigned the endorsement renewal form workflow in Figma and implemented UI components using TypeScript and Tailwind, improving form usability and reducing policy update errors

FINNOMENA

Jun 2022 – Aug 2022

Software Engineer Intern

Bangkok, TH

- Developed dynamic data visualizations in D3.js and Power BI for the Global Income Focus (GIF) and Retirement Income Solution (RIS) investment model, transforming complex financial graphs into cash flow projections for over 1M monthly investors
- Built an internal SMS-based notification tool to deliver real-time financial market updates for portfolio risk monitoring
- Led the revamp of FINT's (utility token) ecosystem, defining technical requirements and documenting the integration of 10+ game-based learning modules, simplifying decentralized finance (DeFi) concepts for new users

PROJECTS

Paul.dev Portfolio – Find the Right Tutor, the Smart Way (Technologies: Django, PostgreSQL, Bootstrap)

- 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 – Where Code Meets Creativity (Technologies: Next.js, Tailwind CSS, Framer Motion)

- Directed a team of 4 developers to build and launch a tutoring platform, improving access to academic support for 25+ students
- Integrated Google OAuth and the university's Class Listing API for real-time course selection and data retrieval
- 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

University of Virginia – Teaching Assistant & Researcher / Charlottesville, VA

Jan 2023 – May 2024

- Teaching Assistant for Human-Computer Interaction (CS3205) and Software Testing (CS3250) to 150+ students
- Implemented a tagging system in "eLogos" Chrome extension using JavaScript and Pyramid for grading internal online reports
- Oversaw 7 project teams as head TA, introduced JUnit and Selenium in testing projects, and graded 35% of total course credit

FORGE – Instructor / Charlottesville, VA

Aug 2021 – Dec 2021

- Founded 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.js, Vue.js, Next.js, Node.js, Three.js, Django

Certifications: AWS Cloud Practitioner, AWS Solutions Architect Associate

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