# Phong Le

703-508-4005 | phongl.hoa@gmail.com | linkedin.com/in/phongle1x/ | phongl.com

## Education

**University of Virginia** – Charlottesville, VA

**Bachelor of Science in Computer Science**, Minor in Applied Mathematics *Aug 2022 – May 2026*
- **GPA**: *3.9* (*Dean's List*)

## Skills Summary

**Languages**:   Java, Python, C/C++, SQL (Postgres), JavaScript, TypeScript, HTML, CSS, R
**Frameworks**: React, Node, Django, Flask, JUnit, Jest, Material-UI, Tailwind
**Other**:   AWS, Git, PostgreSQL, NoSQL (DynamoDB, DocumentDB, MongoDB), SQLite, Agile Development, Jira

## Experience

**Ellucian** – Reston, VA

Software Engineer Intern *May 2024 – present*
- Collaborated in a 6-person scrum team to develop internal software services extending **AWS** and **Azure** AI capabilities into existing company products, **increasing feature throughput by at least 30%**
- Constructed a data cache system using **AWS Lambda** & **DynamoDB**, reducing ERP API fetch latency by 96%
- Developed a "commenting" micro-service **API** with **AWS**, **DocumentDB**. and **React**, **streamlining comment creation in 3 different company products** with user permissions, file attachments, and comment replying

**AiPi Solutions** – Reston, VA

Software Developer Intern *May 2023 – Aug 2023*
- Led a team of 8 interns in training a **Large Language Model** to automate the editing process of Non-Disclosure Agreements, **reducing Attorney NDA review time by at least 60%**
- Developed Python code utilizing **Openai API** to train "DaVinci" **language model** on a data set of 300 attorney-revised NDA's, **yielding a model validation token accuracy of 0.95**
- Built and deployed a web application with **React**, allowing integration of language model into client workflow

**UVA Computer Science Department** – Charlottesville, VA

Undergraduate Researcher *Oct 2023 – Dec 2023*
- Fine-tuned **Meta Llama2 LLM** to accurately generate regular expressions representing written English requirements, significantly **reducing English language ambiguity in written requirements**
- Constructed a foundational dataset of 200+ English to RegEx conversions for LLM training through **PyTorch**

**Spotlist** – Remote

Full Stack Software Developer Intern *Sep 2023 – Nov 2023*
- Expanded front-end user experiences by 15% by developing and integrating mobile app interfaces with back-end functionality using **React Native** and **Node**
- Developed, maintained, and tested **RESTful APIs** integrating with a **PostgresSQL** database using **Django REST** Framework and **Postman**

## Projects

**SimpliSplit** | *Python, JavaScript, React, Firebase, Flask* Fall 2023
- Collaborated in a team of 4 to build a **mobile app** that **streamlines bill splitting** by allowing users to scan a receipt, match friends to receipt items, and send Venmo requests accordingly with one click
- Implemented **tesseract** for receipt scanning OCR, **React Native** for front-end mobile development, **Venmo API** for payment processing, and **Firebase** for user account database storage

**GradeBuddy** | *JavaScript, Node.js, Firebase* Spring 2023
- Built a web-application the **streamlines the grading of free-response questions** using NLP and a given rubric
- Leveraged **OpenAI API** and prompt engineering for grading, **React** for front-end development, and **Node.js** & **Firebase** for backend interactions

## Extra Curricular Activities

**Student Game Developers Club** Fall 2023
- Spearheaded collaborative design and development of a 3D horror game, working with a team of 5 developers and artists through complete game development life-cycle, from concept to product
- Employed **GoDot** as the primary game engine and **C#/GDscript** for programming