Binh Le

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EDUCATION

Drexel University   Philadelphia, PA
Bachelor of Science in Computer Science, Dean's Ambassador   *Jun. 2025*

WORK EXPERIENCE

Google   Jul. 2024 – Sep. 2024
Software Engineer Fellow   *New York, NY*
- Outperformed **400+ applicants** to participate in pair programming sessions with Google Software Engineer for 10 weeks, and receive mentorship to prepare for technical and behavioral interviews
- Tackled advanced programming topics such as system design, focusing on improving scalability and performance

Dataing   Apr. 2024 – Sep. 2024
Software Engineer Intern   *Glendale, CA*
- **Automated recurring data retrievals of 2000+ users** by utilizing Terraform to deploy AWS Lambda functions via scheduled Cron Jobs with Docker microservice containers
- **Lessened user login time by 50%** by resolving authentication vulnerabilities and optimizing SMS verification flow
- Spearheaded Google and Apple user data integration in Swift, **features increased 23% matching accuracy**
- Built feature to retrieve user's iOS photos, **accounting for 70% of the app's database photo traffic**, utilizing PhotoKit with efficient multiform media handling to back-end
- Proposed and implemented Typesaurus schema, leading to **a 30% reduction in FireStore query response time**

Software Engineering Analytics Research (SOAR) Lab   Mar. 2024 – Oct. 2024
Research Engineer   *Philadelphia, PA*
- Co-authored a research paper identifying generative code security risks in the software development process
- Highlighted LLM correlations and categorized **50+ common LLM CWEs**, by designing visualization graphs with Matplotlib, NumPy, and Seaborn across DevGPT dataset conversations
- Optimized GitHub RestAPI endpoint by enhancing parameters which **reduced data fetching latency by 40%**

Stanford University   Apr. 2024 – Jun. 2024
Section Leader   *Stanford, CA*
- Facilitated CS106A Intro To Programming sections, taken by **10,000+ students**, and sustained **70% class retention**
- Educated students in **Python** concepts leveraging Stanford's beginner-friendly libraries such as **Karel** and **TKinter**

Drexel University   Aug. 2024 – Present
Teaching Assistant (Software Verification and Validation)   *Philadelphia, PA*
- **Improved students' average class grades by 10%** through engaging office hours, to reinforce lecture key concepts
- Designed scripts to parse student's answers for assignments, **resulting in a 50% increase in grading efficiency**

VNPT Technology   Apr. 2022 - Jun. 2022
Software Engineer Intern   *Remote*
- Implemented Python scripts to retrieve and parse news articles' data **to lessen source collection time by 55%**
- **Managed a team of 6 interns** designing a web app by acting as product owner and holding weekly meetings

PROJECTS

Viet Urban Dictionary (Tu Dien) | *React, Node.js, scikit-learn, Express.js, AWS, PostgreSQL*   Jun. 2024 - Present
- Building a full-stack app providing up-to-date, accurate definitions and context of Vietnamese slang, to reconnect and strengthen cultural ties
- Leveraging web-scraping and machine learning methods to automate word retrieval of various social media platforms

Serenity | *Flask, React, Python, Hume API, OpenAI API*   Apr. 2024
- Guided a team of 4 on a meeting app capturing interviewee's emotional insights, providing anxiety mediating prompts
- Achieved prize of **Best Tech Domain award** at DragonHacks 2024 out of 73 projects

Content Creator | *YouTube, TikTok, Instagram, Facebook, LinkedIn*   Jun. 2013 - Present
- Amassed **1.2+ million followers** including computer science education in captivating content for Vietnamese teens
- Directed marketing strategies totaling **350+ million views** with notable brands (TikTok, VNG, Acer, VTC Games,...)

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, C++, C, Swift, HTML/CSS, Racket, Haskell, SQL, Bash
Frameworks & Libraries: Flask, Rest API, React, Node, Express, Axios, Firebase, OpenCV, NumPy, Pandas
Tools: Git, GitHub, Postgres, Jupyter, IntelliJ, VS Code, Gradle, Eclipse, XCode, Google Colab, JavaFX