

# Binh Le

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## EDUCATION

### Drexel University

Bachelor of Science in Computer Science, 3.75/4.00 GPA, Dean's Ambassador, Dean's List

Philadelphia, PA

Sep. 2025

## WORK EXPERIENCE

### Google

Software Engineer Fellow

Jul. 2024 – Sep. 2024

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

Software Engineer Intern

Apr. 2024 – Sep. 2024

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

Research Engineer

Mar. 2024 – Oct. 2024

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

Section Leader

Apr. 2024 – Jun. 2024

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

Teaching Assistant (Software Verification and Validation)

Aug. 2024 – Present

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

Software Engineer Intern

Apr. 2022 - Jun. 2022

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 of Vietnamese slang to 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

**Affiliations:** CodePath, DrexelAI, G-SWEP, Meta ABCS, Stanford CiP