

Minh Phan

 (214) 892-0786

 mbp3@williams.edu

 [/in/minh-b-phan/](https://in.linkedin.com/in/minh-b-phan/)

 [minhbphan](https://github.com/minhbphan)

 [minhbphan.github.io/](https://github.com/minhbphan)

Education

Williams College — *Computer Science B.A.*

SEPTEMBER 2019 - JUNE 2023

GPA: 3.9

AIT Budapest — *CS Study Abroad Program*

JANUARY 2021 - MAY 2021

Skills

Coding Languages: Java, Python, C, JavaScript, HTML, CSS

Tools/Softwares: Unix, Pandas, Agile, Scrum, Mockito, JUnit, Google Juice, Maven, Docker, Mermaid

APIs: OCI-Curl, Twitter, Fastai

Leadership Positions

Underrepresented Identities in Computer Science (UnICS), *Student Board*

Computer Science Student Activities/Advisory Committee (CoSSAC), *Student Board*

Awards

Grace Hopper Scholar
Williams College Dean's List
National AP Scholar

Languages

English, Vietnamese, French

Work Experience

Oracle Corporation — *Software Engineering Intern*

JUNE 2021 - SEPTEMBER 2021

- Implemented technical configuration for secondary DNS subsystem, which included an integration with a key management service and vault service, asynchronous operations backed by workflows, and codebase enhancements through unit & integration tests for new features
- Led board-wide demonstration on secondary egress components through zone workflows, transaction signature (TSIG) key usage, and mitigative processes for error scenarios
- Conducted research on solutions to encryption key security concerns
- Debugged user-facing frontend interface
- Created visual explainable for workflow on zone updates using Mermaid open-source software

Power 4 Puerto Rico — *Web Creative Intern*

DECEMBER 2020 - FEBRUARY 2021

- Updated content on the organization's website using Squarespace software and identified fresh looks and tools that can be integrated towards engaging and expanding their audience
- Conducted UX experience for and implemented a subpage highlighting core values of the group

Williams College — *Teaching Assistant*

FEBRUARY 2020 - PRESENT

- Served as an in-lab tutor for Computer Science undergraduate courses
- Duties included assisting professors with debugging labs, explaining course materials, and holding office hours for external support

Williams College — *Research Assistant*

JUNE 2020 - AUGUST 2020

- Worked closely with a faculty advisor to develop an explainable model on Bayesian Knowledge Tracing
- Conducted close reading and research on various forms of Human-Computer Interactions

Projects

FranCES: Text-to-Speech Bot

Conducted preliminary research in building a TTS program using open-source software Mimic2 for deep learning and neural networks

Cache Simulator:

A simulation of how caches check for hits, misses, and evictions from trace files; implemented the LRU replacement policy and represented cache framework through structs

BKT - Apple Picking:

Self-designed project for explaining Bayesian Knowledge Tracing concepts through a gamified approach

Satirical Twitter Bot:

Utilized Tweepy and Fastai APIs to create a Twitter bot to detect sarcasm and reply