

# Hoang Lam Vu Nguyen

B5-19 Ham Nghi Street, Nam Tu Liem District, Hanoi | 0916398866 | nghlamvu@gmail.com

[Personal Website](#) | [Github](#) | [LinkedIn](#)

## EDUCATION

### Wentworth Institute of Technology

*Bachelor of Science in Computer Science, Minor in Applied Mathematics*

**Boston, Massachusetts**

September 2016 – August 2020

### The Newman School

*Vice President of the Mathematics Team, Member of Newman Cardinals Basketball team*

**Boston, Massachusetts**

January 2015 – June 2016

## WORK EXPERIENCE

### CloudHealth by VMware

*Software Developer Intern*

**Boston, Massachusetts**

January 2020 – April 2020

- Worked as the main developer of data charts, assessed and delivered visual enhancements of charts and their components
- Implemented functionalities from ZingChart API into the existing AngularJS wrapper API, allowing charts to change colors, layouts and the positions of their components, which was not possible before
- Updated MySQL databases that store configuration data of charts and chart containers
- Updated application routing in Rails, replaced outdated URLs and removed obsolete code patterns as CloudHealth Help Center migrates to a new version, allowing the Technical Writers to meet the deployment schedule
- Involved in the development of CloudHealth's new features built in React through building and refining components. Main contributions include:
  - Added the Tabs Container to the Storybook Components Library with demo stories, documentation and tests
  - Created a custom Cell Renderer that embeds links into name cells
  - Fixed various bugs affecting the implementation of grids, routes and labels
- Documented unfinished works regarding charts with detailed explanation of the problems and guidelines for the solutions

### Veracode

*Front-end Developer Intern*

**Burlington, Massachusetts**

January 2019 – April 2019

- Created two new Angular 6 components for the UI component library that will be used by Veracode front-end developers – a masthead component and a tertiary navigation component
- Identified the need to upgrade the version of the Monserat font in the component library, found the correct font version online, and updated the component library with the new font.
- Created two new template pages for UI developers to copy/use: a tabbed page and a form page. Combined the pages with Veracode navigation service to make them fully interactive
- Presented Storybook to the User Experience Team as the framework to support the redesign of the component library

## TECHNICAL SKILLS

**Languages:** Java, JavaScript, Python, C, Ruby, Bash, SQL

**Web Technologies:** HTML, CSS, Bootstrap, JSON

**Frameworks:** Node.js, Angular (JS, 6), React, Rail, Django, LoopBack

**Database:** MySQL, MongoDB

**Tools:** Git (Hub, Lab), Docker, Jenkins, Elasticsearch, Jira, Storybook

**IDE:** Visual Studio IDE, IntelliJ, Eclipse, PyCharm, Android Studio

## RELATED PROJECTS

### Covid19-Tracker

May 2020 – August 2020

- Static website that displays global statistics of Corona Virus with emphasis on customizable chart and U.S hospitalization data
- Created using HTML, Bootstrap, jQuery and open source Covid19 related APIs. [Link to website](#)

### Messenger Application

February 2020 ~ May 2020

- Implemented REST API for user login/signup and establish server/clients connection and text exchange using LoopBack
- Store users' information with MongoDB and implemented users search functionality along with user interface in React

### Image Enhancer

September 2019 – December 2019

- Implemented the combination of erode-dilate morphological operations in C language to remove noise from a binary image
- Parallelize the process using different APIs such as MPI and OpenMP to reduce processing time with high resolution images