

# Phat Minh Dang

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## OBJECTIVE

Inquisitive, energetic computer science specialist skilled in leadership, with a strong foundation in math, logic, and cross-platform coding. Seeking to leverage solid skills in collaboration, communication, and development as a programmer.

## WORK EXPERIENCE

### **Computer Science Intern at American Institute for Cancer Research (AICR)**

Arlington, Virginia

From May 2019 to September 2019

Projects include:

- Database Management
  - Description: Establishing a connection between databases and collecting data for data mining.
  - Programming Language used: Python
- Machine Learning (AI) Project
  - Description: Building a neural network to predict the numbers of potential donors to AICR based on geographic, previous donation amounts, the frequency of donations...etc. Use data collected from users' databases to train the neural network.
  - Programming Language used: Python
- Data Analytics
  - Description: inspecting, cleansing, transforming, modeling and visualizing data to turn raw data into useful information.
  - Tools and programming language used: Tableau, Snowflake, Python

## EDUCATION

### **George Mason University, Fairfax, Virginia (2017 – 2020)**

#### **Bachelor's degree, Computer Science**

- Pursuing a B.S. in Computer Science. Computer skills include Java, Python, C, C++, C#, Assembly. Familiar with HTML, CSS, React, Bootstrap, and SQL database queries.
- Built a working android app and a working web app. Work well in both the front-end and the back-end environments.
- Data mining project: song lyrics filter for children.

#### **Minor Degree, Computational and Data Science**

- Minor in Computational and Data Science. Familiar with modeling and Simulation, Agent-based Modeling, Database, Scientific Calculations in Data Science, Data Mining, and Data Mining techniques such as classification, clustering, and deep learning.
- Extracurricular project: Extended the fire model to make the data more realistic. Modeled the global warming process to show what human actions cause the Earth's temperature to rise.

- Mastering in some programming languages that specialized for Data Science such as Python, MATLAB, Fortran, R.

**Northern Virginia Community College, Annandale, Virginia (2014 – 2016)**  
**Associate Degree, Computer Science**

## **OTHER CERTIFICATIONS**

Advanced Google Analytics - Google - 2020

## **SKILLS**

- **Programming Languages:** Java, Javascript, Python, C, Assembly, Common Lisp, Matlab, Fortran, R, Netlogo, CSS, HTML, REACT, Bootstrap, Angular/Springboot, OpenShift/Docker
- **Tools/ Softwares:** Eclipse, Anaconda, NetBeans, PyCharm, Terminal, Unix/Linux, Netlogo, Xcode, Android Studio, WebStorm, Atom, Microsoft Offices, SQL, MySQL, Oracle, Microsoft Database, RStudio, JEdit, WireShark, MATLAB, Visio, Sharepoint, Teams
- **Technical Skills:** Network Communicating, Data Mining, Software Engineer, Software Testing and Maintenance, Databases processing, Data Science, Full Stack.
- **Professional skills:** Critical thinking, communication, teamwork, leadership, problem-solving, time management, organized, productive, creative thinking, fast learner.
- **Languages:**
  - English (Full professional proficiency)
  - Vietnamese (Native)

## **VOLUNTEER**

- Volunteer to work for a non-profit Youth Association.
- Teach young children age from 7 to 13 Vietnamese and life skills.
- Train youth members to be productive citizens who will make positive contributions to society.
- Volunteer to be Camp Director, Summer Camp Activities Planner; create fun activities for youth members to play and learn.
- Help organize fundraising for disasters: Hurricanes, California wildfire, feed the homeless, etc.

**\*\*United State Citizen**