

# Derek Pham

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Available: January - August 2019

## 🎓 EDUCATION

**Northeastern University**, Boston, MA Sept. 2016 - present  
College of Computer and Information Science  
*Candidate for a Bachelor of Science in Computer Science* May 2020  
*Minor in Mathematics and Physics*

Related courses:      Object-Oriented Design, Algorithms and Data, Large Scale Data Storage  
                                 Programming Languages, Operating Systems, Networks and Distributed Systems  
                                 Calculus III, Linear Algebra, Probability and Statistics

GPA:                      3.98/4.0

Activities:              Northeastern ACM, Badminton, Spikeball, Photography

Study Abroad:          London School of Economics and Political Science Summer 2018  
                                 (Studied Real Analysis, and Introduction to Big Data Analysis)

## ⚙️ SKILLS

Languages:              Java, Python, C, Javascript, Haskell, C#  
Databases:              PostgreSQL, Oracle, MySQL, SQLite  
Tools:                    Spring, Hibernate, Gradle, Ansible, Django, Git, SVN  
Others:                   Scrum, Agile, Pair Programming

## 👤 EXPERIENCE

**Northeastern University**, Boston, MA Sept. 2017 - present  
*Research assistant for Christo Wilson and Ron Robertson - Network Science Department*

- Creating website in Django studying how search ranking affects personal and political opinions
- Designing application's entire SQLite database schema to store subjects' information
- Configuring application to assign each subject a random treatment of pre-ordered search results and track browsing activities
- Building frontend with ability to switch between different CSS skins to mimic sites such as search sites, social media sites, and job posting sites

**PowerAdvocate Inc**, Boston, MA Jan. 2018 - Jun. 2018  
*Software Developer Co-op - Data As a Service Team*

- Built upon and delivered completed product, Customer Service Report (CSR), shortening Customer Success team's time to produce reports by around 50 times
- Developed all required features virtually from scratch for 3 different kinds of reports, in Spring and Hibernate
- Researched database providers and chose CSR's database to be PostgreSQL
- Aggregated customers' energy platform usage through Salesforce REST API and Oracle database
- Automated CSR deployment through Ansible

**Xemory LLC**, Burlington, VT Oct. 2015 - Dec. 2015  
*Intern*

- Created via pair-programming a Javascript editor using C# and Visual Studio
- Integrated syntax highlighting and Javascript interpreting ability to editor
- Developed the editor's ability to communicate with Unity through TCP/IP

## 📷 INTERESTS

Photography, Spikeball, Tennis (High School Captain), Poker, Toast Masters