

# Derek Pham

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Available: June - 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, Minors in Mathematics and Physics* May 2020  
Related courses: Object-Oriented Design, Algorithms and Data, Large Scale Data Storage  
Programming Languages, Operating Systems, Networks and Distributed Systems  
GPA: 3.98/4.0  
Activities: Northeastern ACM, Badminton, Spikeball, Photography  
Study Abroad: London School of Economics and Political Science Summer 2018

## 🐱 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
- Developing 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
- Automated CSR deployment through Ansible

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

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

## 🐱 PROJECTS

**nualt** Ongoing  
*An easy-to-use alternative to Northeastern's career website*

- Creating a browser extension in Javascript to extract information on every visited job page on Northeastern's career website (and potentially other job sites)
- Building REST API to store and retrieve job information using Kotlin and Spring Boot
- Designing simple and easy-to-use front end in Javascript using jQuery and JsGrid

## ⚙️ SKILLS

Languages: Java, Python, Kotlin, Racket, Javascript, Haskell, C#  
Databases: PostgreSQL, MariaDB, Redis  
Tools: Spring, Hibernate, Gradle, Django, jQuery, Git, SVN, Ansible  
Others: Linux, Scrum, Agile, Pair Programming