

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, 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

⚙️ SKILLS

Languages: Java, Python, Kotlin, C#, C, Javascript, Haskell
Tools: Spring, Hibernate, Gradle, Django, jQuery, Git, SVN, Ansible
Others: Linux, 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
- 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
- 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
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

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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