Jon Zimbel

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EDUCATION

Northeastern University | Boston, MA   September 2012 – May 2017
College of Computer and Information Science
Bachelor of Science in Computer Science, Linguistics Minor   May 2017

Coursework:	Data Visualization, Artificial Intelligence, Software Development, Programming Languages, Database Design, Algorithms & Data, Systems & Networks, Object-Oriented Design, Theory of Computation; Linear Algebra, Multivar. Calculus
Honors:	3.6/4.0 GPA, Dean's List, Dean's Scholarship, Cum Laude

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COMPUTER KNOWLEDGE

Languages:	Python, Java, C#, C++, C, JavaScript, HTML, CSS, PostgreSQL
Frameworks/Libraries:	Flask, Django, Backbone.js, D3.js, Google Web Toolkit
Systems:	macOS, GNU/Linux, Windows
Applications:	IntelliJ IDEA, PyCharm, Visual Studio, Emacs, Eclipse, Git, Github, JIRA

PROFESSIONAL EXPERIENCE

Kyruus | Boston, MA
Software Engineer (Part-Time)   September 2016 – November 2016
Software Engineer Co-op (Full-Time)   January 2016 – June 2016

- Developed new features for a customer admin application and related APIs in a microservices-based patient-provider matching application suite used by hospitals around the country.
- Contributed directly to the design, creation, and load testing of a document store service that lets teammates change application behavior on a per-customer basis via config rather than code changes.
- Conducted test-driven development, including unit and functional tests on the backend and frontend.

LeveragePoint Innovations | Somerville, MA
Software Engineer Co-op (Full-Time)   January 2015 – July 2015

- Developed a price setting and sales enablement web application used by large corporations to better position their products and services against those of competitors.
- Created a tool allowing the testing team to easily import and export models to and from the test build in order to quickly address customer issues.
- Created new, and improved existing, visual elements in the sales view, where users demonstrate the value of their product to their potential customers.

Basis Technology | Cambridge, MA
Software Engineer Co-op (Full-Time)   January 2014 – August 2014

- Added new features, unit and regression tests, and customer sample code for Java and C++ software that delivers world-class natural language processing to anyone's data.
- Fixed bugs in the Java and C++ codebases; identified and corrected several memory leaks in the C++ codebase using gdb and Valgrind.
- Utilized GNU Core Utils to simplify the process of preparing new language corpora for use in improving the accuracy of the language identifier product on short strings or search queries.

PROJECTS

- Over the course of a semester, partnered with nonprofit organization *Mothers for Justice and Equality* to build visualizations of their growth and impact on the community over the years, using D3.js.
- Experimented with the Spotify Web API and clustering algorithms to build an application that helps users find more music they will enjoy.
- Built a proof-of-concept application in C# that finds the shortest possible outdoor distance between two locations on the Northeastern University campus by making use of buildings and tunnels.

SKILLS AND INTERESTS

Spanish proficiency; cycling and sustainable transportation; downhill skiing; hiking; exotic houseplants.