

Gabriel Peal

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EDUCATION

Northwestern University

(2009-2013)

- McCormick School of Engineering and Applied Science (3.71 GPA)

RELEVANT COURSES

Data Structures and Algorithms, C++ Programming, Java Programming, Computer Systems, Differential Equations, Multivariable and Vector Calculus, Linear Algebra, Probabilistic Systems

EXPERIENCE

Google Software Engineering Intern (Cambridge, MA)

(June – September 2012)

- Submitted a patch to the WebKit trunk to modularize the inspector (changeset 126215)
- Refactored the WebPagetest Node.js agent for increased security and stability
- Increased test coverage of the WebPagetest Node.js agent

Stagecoach Co-Founder (Evanston, IL)

(December 2011 – June 2012)

- Developed a career management platform for the film industry

Northwestern Interactive Audio Lab Software Engineering Intern (Evanston, IL)

(June – September 2012)

- Helped develop Tunebot, a vocal search engine that can identify songs you sing
- Developed a method of reducing noise in audio that improved Tunebot search results

General Motors Engineering Intern (Warren, MI)

(June – September 2011)

- Won an intellectual property award
- Designed hardware and wrote software in C to run diagnostics on the Chevy Volt resulting in a potential annual savings of over \$1,000,000
- Automated numerous diagnostic tests using C programs which will save hundreds of hours of manual labor

XFI Corporation Software Engineering Intern (Bethesda, MD)

(June – September 2010)

- Developed MATLAB tools to aid data creation in SalesHawk, a comprehensive sales software suite used at Fortune 100 companies
- Ran rigorous software regression tests on current and future versions of SalesHawk
- Proposed improvements to SalesHawk's fuzzy logic engine

National Institutes of Health Intern (Bethesda, MD)

(September 2008 – August 2009)

- Developed algorithms to normalize and analyze 3D confocal images of Drosophila melanogaster (fruit flies)

SKILLS AND PROJECTS

- Proficiency in C, C++, C#, Java, JavaScript, Ruby, Python, MATLAB, and Silverlight/XAML
- Ruby on Rails
- Node.js
- Visual Studio
- Windows Phone 7 Development
- Designed a glove to increase the dexterity of stroke survivors (2010)
- Designed an underwater communication device for deaf scuba divers (2009)

AWARDS, CERTIFICATION, AND RECOGNITION

- First Place – Connected World Conference 36 Hour Hackathon (2012)
- Illinois Technology Association Fall Programming Challenge – Top 3% (2011)
- Outstanding Engineering Design Award, Maryland Space Business Roundtable (MSBR) (2009)
- AP Scholar with Distinction (2009)
- Competed in the High School Programming Contest, University of Maryland (2008)