

# Kelly Idouchi

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**Personal:** <https://kidouchi.github.io> ~ **GitHub:** <https://github.com/kidouchi>

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## Education

**Carnegie Mellon University, GPA: 3.1**

**May 2015**

Bachelor of Science in Computer Science      **Minor:** Japanese

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## Languages & Technologies

- Java, HTML, CSS, AngularJS, jQuery, Javascript, SASS, Maven, XML, Gherkin, C, Selenium, Cucumber, Grunt, Django, Python, Perl, SML, SQL, Unix
  - Android Studio, Git, Eclipse, IntelliJ, Genymotion, Jenkins
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## Professional Experience

**CapitalOne - Associate Software Engineer**

**Summer 2015 - Current**

- Developed and rapidly prototyped dynamic, responsive single-page web application for Capital One's Cafe Events Page
- Assisted in developing and documenting back-end RESTful Web Service
- Built automated Selenium tests for user flows and ensured cross-browser compatibility and responsiveness
- Trained in agile setting and workflow

**Google - Software Engineer Intern**

**Summer 2014**

- Implemented navigational workflow in Adwords Frontend to help users add location targets to their ads
- Designed and implemented server side module to reduce navigational workflow latency
- Improved Adwords Navigator Frontend to interact with new server side module
- Implementation technologies included Java, GWT, and Javascript

**Carnegie Mellon Collaborative Innovation Center - Research Intern**

**Summer 2013**

- Vetted COTS hardware products for malicious firmware vulnerabilities
- Wrote automatic crawler in Perl downloading 1,000+ firmware
- Extracted binary files utilizing binary extraction tool
- Wrote script in Perl searching binary files for vulnerabilities such as private RSA keys and passwords
- Maintained database of vulnerabilities using Postgresql

**Carnegie Mellon CyLab - Research Assistant**

**Fall 2012 - Winter 2013**

- Published paper (<http://www.blaseur.com/papers/financial-final.pdf>)
  - Received Recognition by the WEIS 2013 Program
  - Analyzed privacy practices among financial institutions
  - Built web crawler in Perl to retrieve 7,000+ financial privacy notices
  - Wrote parser for all standard-format notices into unified CSV spreadsheet
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## Technical Experience

### Projects

- **NoteIt** (Fall 2015). An Android application where users can create text or photo note cards and share them on social media platforms such as Twitter, Tumblr, and Google Plus. Java, XML, Gradle
  - **Grumblr** (2014). A microblogging web application that operates similarly to Tumblr. You can create blog posts, favorite posts, befriend other users, etc. HTML, CSS, Javascript, jQuery, Django, Python
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### Coursework

- Computer Systems • Algorithms • Software Engineering • Data Structures • Functional & Parallel Programming
- Web Applications • Distributed Systems

### Awards

- Won Bronze in Google BugFest Competition
- Paper published for Workshop on the Economics of Information Security (WEIS) Conference