

Jack Bracken

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<https://github.com/JackBracken>

Education

University College Dublin

Bachelor of Science in Computer Science, graduating in September 2015.

Experience

Sep 2012–May 2014

Wooq event management, Dublin *Part-time developer*

- Part of a two-person development team that created an event management and ticketing app with approximately 15,000 unique users.
- Used a rails back-end and consumed several REST APIs and multiple OAuth providers, with a front end built on Bootstrap with Sass.

Feb 2012–Mar 2013

UCD CoderDojo *Volunteer mentor*

- Taught a class of over 20 children—aged seven to fourteen—the basics of web design and programming using HTML, CSS, Python and MIT Scratch.

May 2012–Aug 2012

Aonta Technologies Ltd., Dublin *Intern*

- Took control of DevOps and sysadmin tasks that included writing and maintaining install and update scripts for the application environment in Bash and Perl.
- Developed a reporting system for orphaned SIP calls in Perl.
- Wrote JUnit test suite to ensure user privilege system worked correctly.

Projects

jackbracken.me

A personal website I built on AngularJS. Features a mobile-first responsive design that was built atop Zurb's Foundation CSS framework.

Investigation into reputation algorithms

Calculated PageRank and WeightedSum reputation scores for 49,146 users across three Stack Exchange sites. These scores were then normalised and their distribution compared to Stack Exchange's original reputation algorithm.

Asimov IRC bot

Asimov is an IRC bot written in Ruby using only standard libraries. He can respond to his name, has his own plugin system and logs chat history to disk.

Skills

Languages

- Ruby, Java, JavaScript, HTML/CSS/SCSS, SQL, Bash

Frameworks & Libraries

- Ruby– Sinatra, Ruby on Rails, Haml, Slim
- Java– Maven, JDBI, Flyway, JUnit
- JavaScript– jQuery, AngularJS, gulp

Tools & Technologies

- GNU coreutils (grep, sed, curl, sort, etc.)
- Git, Subversion
- Vim, Eclipse, Sublime Text
- PostgreSQL, SQLite