

Jake Zimmerman

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EDUCATION

CARNEGIE MELLON UNIV.

BS IN COMPUTER SCIENCE

Expected May 2017 | Pittsburgh, PA

Cum. QPA: 3.62

Dean's List (F13)

LINKS

GitHub: [Z1MM32M4N](#)

Twitter: [@Z1MM32M4N](#)

Website: www.zimmerman.io

Blog: blog.zimmerman.io

COURSEWORK

UNDERGRADUATE

Parallel and Sequential Data Structures and Algorithms

Introduction to Computer Systems

Principles of Functional Programming

Great Theoretical Ideas in CS

Mathematical Foundations of CS

SKILLS

LANGUAGES

Extensive:

C • C++ • JavaScript • Shell

Python • HTML/CSS • Sass

Comfortable:

SML • Java

TECHNOLOGIES

Extensive:

Node.js • Django • Git • Unix

Comfortable:

Meteor.js • SQL • MongoDB • VPSs

HACKATHONS

MHacks IV (Sep 2014)

- Placed in top 14

Bloomberg Challenge (Jul 2014)

Battle of the Hacks (Jun 2014)

- For Hackathon organizers

TartanHacks (Feb 2014)

- Won AWS second prize

HackPrinceton (Nov 2013)

EXPERIENCE

BLOOMBERG LP | SOFTWARE ENGINEERING INTERN

Jun 2014 – Aug 2014 | New York City, NY

- Rewrote an exchange simulator in **C/C++**, aiming to improve maintainability
- Deflated codebase by 33%, from 9900 to 6600 lines, while adding features
- Attended multiple tech talks covering subjects such as **Hadoop**, **C++**, and **functional programming**

SCOTTYLABS | DIRECTOR OF OPERATIONS

Sep 2013 – Present

- Student organization that runs services beneficial to the CMU community and hosts educational events
- Maintain and deploy apps like APIs (APIs for campus data) and Print (web service for mobile CMU printing)
- Ensure security and uptime for our development and production servers

GREAT PRACTICAL IDEAS IN CS | TEACHING ASSISTANT

Aug 2014 – Present

- Teach core, practical CS concepts to incoming freshman
- Topics include **Unix systems**, **bash**, **vim/emacs**, **git**, **make**, **gdb**, **valgrind**

PROJECTS

TEXDOWN

Jan 2014 – Mar 2014 | www.texdown.org

- Developed Markdown + \LaTeX app for efficient note-taking in technical classes
- Written using **Node.js** and **MongoDB**.

GITORIAL

Feb 2014

- Brings the power of git to the process of code tutorial creation
- Create a repo where commits indicate tutorial steps, and the rest is automated
- Built using **Node.js** and **AWS**. Won Amazon's sponsored prize at **TartanHacks**

HPSTR THEME FOR OCTOPRESS

June 2014 | <http://blog.zimmerman.io/>

- Ported the HPSTR Jekyll theme to Octopress, rewriting the stylesheets in **Sass**
- Also added more powerful customization features and **CSS3** support

PRINT@SCOTTYLABS

Sep 2013 – Present

- Enable hassle-free mobile printing to CMU printers using email attachments
- Written using **Django** and **Python 3**, deployed on a **Debian** VPS.

OTHER EXPERIENCE

ZIMM'S YARD SERVICES | OWNER

May 2008 – Aug 2013 | New Berlin, WI

- Started neighborhood lawn service business, ran for five summers
- Developed **Java** app to track transactions, create invoices, etc.