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

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.