

# 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](http://www.zimmerman.io)  
Blog: [blog.zimmerman.io](http://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 such as 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](http://www.texdown.org)

- Developed Markdown +  $\text{\LaTeX}$  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, push it to GitHub, and use our site to add per-step explanations with code diffs
- 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**
- 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.