

# 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)

TA for Great Practical Ideas in CS (S14)

## LINKS

GitHub: [Z1MM32M4N](#)

Twitter: [@Z1MM32M4N](#)

Website: [www.zimmerman.io](http://www.zimmerman.io)

Blog: [blog.zimmerman.io](http://blog.zimmerman.io)

## COURSEWORK

### UNDERGRADUATE

Principles of Functional Programming

Great Theoretical Ideas in CS

Introduction to Imperative Computation

Mathematical Foundations of CS

Matrices and Linear Transformations

## SKILLS

### LANGUAGES

Extensive:

C • C++ • JavaScript • Shell

Python • Java • HTML/CSS • Sass

Comfortable:

SML • Haskell • Assembly

### TECHNOLOGIES

Familiar:

Node.js • Django • Linux • git

Familiar:

Meteor.js • SQL • MongoDB • VPSs

## HACKATHONS

Battle of the Hacks • June 2014

TartanHacks • Feb 2014

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**

### SDNB TECH DEPT | INTERN

Jun 2013 – Aug 2013 | New Berlin, WI

- Aided with common IT-related tasks, such as batch OS imaging & BIOS editing
- Provided technical and troubleshooting support for faculty and staff

### 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.

### KUMON LEARNING CENTER | MATH AND READING TUTOR

Oct 2011 – Aug 2013 | Franklin, WI

- Tutored math and reading one-on-one with students aged pre-K to high school

## PROJECTS

### PRINT@SCOTTYLABS

Sep 2013 – Present

Rewrote and now maintain an app affiliated with the student organization ScottyLabs which enables printing to CMU printers from any device using MIME email attachments. Written using **Django** and **Python 3**, deployed on **Debian**.

### 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 | <http://www.gitorial.com/>

Hackathon project to bring the power and elegance of git to the process of code tutorial creation. Simply format a commit diff as a step in the tutorial; 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.

## OTHER

### SPANISH LANGUAGE INTERPRETER | EBENEZER FOOD PANTRY

2009 - 2013 | Milwaukee, WI

### STUDENT TECH SPEAKER | BRING YOUR OWN DEVICE TALK SERIES

2012 - 2013 | Wisconsin