

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

Blog: blog.zimmerman.io

COURSEWORK

UNDERGRADUATE

Principles of Functional Programming

Great Theoretical Ideas in CS

Principles of 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

Extensive:

Node.js, Django, git

Comfortable:

Meteor.js, SQL, MongoDB, VPSs

HACKATHONS

Bloomberg Coding Challenge - July 2014

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

Developed Markdown + \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