

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: [jez](#)

Website: [jez.io](#)

Blog: [blog.jez.io](#)

COURSEWORK

UNDERGRADUATE

Parallel Computer Programming

Machine Learning

Parallel Data Structures and Algorithms

Introduction to Computer Systems

Principles of Functional Programming

SKILLS

LANGUAGES

Extensive:

JavaScript • Python • Shell • HTML/CSS

SML • Sass

Comfortable:

Ruby • C • C++ • Java

TECHNOLOGIES

Extensive:

Node.js • React • Git • Unix

Comfortable:

Django • SQL • MongoDB • VPSs

HACKATHONS

Dropbox Hack Week (Aug 2015)

- Nominated for Flywheel Award

Battle of the Hacks v2 (Jun 2015)

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

DROPBOX | SOFTWARE ENGINEERING INTERN

May 2015 – Aug 2015 | San Francisco, CA

- Worked on Dropbox Notes, a team-centric, realtime syncing note-taking app
- Worked primarily in **TypeScript** and **React** with a splash of **less**.

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

SCOTTYLABS | DIRECTOR OF TECHNOLOGY

Sep 2013 – Present | CMU student organization

- Coordinate and mentor TartanHacks, CMU's largest hackathon
- Organize and speak at tech talks and workshops on campus, including talks on Vim and JavaScript

GREAT PRACTICAL IDEAS IN CS | LEAD TEACHING ASSISTANT

Aug 2014 – Present

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

PROJECTS

AUTOLAB

Dec 2014 – Present | [autolab/Autolab](#)

- Develop and maintain Autolab, an open source course management and autograding solution initially created by a team at CMU
- Uses **Ruby on Rails** and **MySQL**.

TUNEMACHINE

Jan 2014 – Mar 2014 | [jez/tunemachine](#)

- Version control your Spotify playlists by taking snapshots and restoring to them
- Loving developed with **Node.js** and **React**.

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, 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**

PRINT@SCOTTYLABS

Sep 2013 – Dec 2014

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