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 Paper, 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
- Lovingly 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.