WILL ENGLER

JUNIOR SOFTWARE DEVELOPER

Email: Engler.Will@gmail.com

Blog: WillEngler.com | Github: @WillEngler

Education

University of Pittsburgh

B.Sc. Computer Science, Minors in Mathematics and Economics **August 2011 - April 2015**

3.959 GPA, CS Commencement Speaker

(Online transcript)

Technical

Great with: Python (analytics with Pandas & SciKit-Learn; web development), Git/GitHub

Decent with: C, C++, Java, JavaScript (JQuery, D3.js), Jenkins

Have Played with: Rust, Ruby (Rails), LISP (scheme)

Experience

Rockwell Automation

Software Engineering Co-op **January 2014 - August 2014**

Worked with another co-op to take our team's unit test suite from unusable to a vital part of our production pipeline by restructuring the tests and building a continuous delivery pipeline with Jenkins.

Designed and implemented feature for a controls engineering IDE in C++. Worked across engineering, UX, testing, and project management teams to build consensus on requirements.

Pitt Computer Science Club

Cofounder and Vice President **August 2014 - April 2015**

Grew a community to make Pitt a more welcoming place to study CS-related fields.

Hosted weekly meetups to let members share what they've learned and built outside of the classroom. Personally delivered talks and workshops on Ruby on Rails, TDD, and "Functional Programming for Mortals."

Connected Pitt students to Pittsburgh tech meetups and startups. Helped organize SteelHacks, the first pan-Pittsburgh student hackathon.

Helped start mentoring program and personally mentored five beginners. Focused on recruiting and mentoring females and minorities.

Pitt Public Health Dynamics Laboratory

Undergraduate Research Fellow **January 2012 - December 2013**

Developed Markov model to compare costs and benefits of pertussis vaccination strategies for healthcare workers.

Best undergraduate presentation at Pitt Science 2012 symposium.

Showcase Projects

Chi-Learn

Given a history of crime in Chicago up to today, predict which neighborhoods will see a violent crime tomorrow.

Visualization | Technical Overview | Code | Team: Joel Roggeman, Kevin Minkus

Used Python, Pandas, SciKit-Learn to apply machine learning algorithms to Chicago's open crime data. Used D3.js to visualize our algorithms' performance over baseline.

SwipeMe

An Uber-esque service to let Pitt students buy and sell dining-hall passes.

Code | Team: Joel Roggeman, Tommy Bednar

Used Twilio to create an SMS-only interface between buyers and sellers. Students selling dining hall passes send an SMS to check in to the service when they are physically available to use their student ID to swipe in a buyer. Buyers send a text when they arrive to get matched with a seller.

We abandoned the project because we wanted to focus on our studies instead of marketing, maintenance, etc.