

# Will Paul

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## EDUCATION

### Rochester Institute of Technology

B.S. New Media Interactive Development  
Minor in Free and Open Source Software & Immersion in Language Science  
Outstanding Undergraduate Scholar Award  
Honors Program, 3.99 GPA

Rochester, NY, United States  
Sep 2012 - May 2016

## WORK EXPERIENCE

### Software Engineer

- Currently a part of the Software Engineering Development Program

### Constant Contact

Waltham, MA, United States  
Jul 2016 - present

### Research Assistant

- Collaborated with a multidisciplinary team of professors and graduate students on a multimodal, affective computing project.
- Worked with human subjects to build a multimodal data set for stress detection.
- Created a machine learning framework in Python to automatically detect stress in speech.
- Primary author on two papers, presented at INTERSPEECH 2015 & FAVSP 2015 and published in the conference proceedings.
- Designed and developed the website to promote our lab:

### RIT CLASP Research Lab

Rochester, NY, United States  
Sep 2014 - present

Examples:

[rit.edu/clasp](http://rit.edu/clasp)  
[bit.ly/1MmVbtQ](https://bit.ly/1MmVbtQ)  
[bit.ly/1kxTiQd](https://bit.ly/1kxTiQd)

### Teaching Assistant

- Teaching assistant and grader for Interactive Design & Algorithmic Problem Solving II and III.
- Created and taught a class on using Git for version control.

### RIT

Rochester, NY, United States  
Aug 2015 - present

### Software Engineer Intern

- Worked on an agile scrum team to build a customer facing component of Constant Contact's email platform.

### Constant Contact

Waltham, MA, United States  
Jun 2015 - Aug 2015

### Web Developer Intern

- The first 8 months were full time and the remainder were working part time remotely.
- Led development on a web project that turned a research report into an interactive data visualization.
- Worked on both the front and backend of Rails and WordPress sites.
- Conducted user research for two internal applications to design a better user experience.

### Global Thinking

Alexandria, VA, United States  
Jan 2014 - May 2015

Examples:

[demandingjustice.org/stats](http://demandingjustice.org/stats)  
[bit.ly/1kxTwqq](https://bit.ly/1kxTwqq)

## PROJECT EXPERIENCE

### Predicting Turn Types Competition

[github.com/dropofwill/nlp-predicting-turn-types](https://github.com/dropofwill/nlp-predicting-turn-types)

Led the development on a team 3 for a Natural Language Processing competition using interview transcript data to classify whether a given 'turn' in the dialogue was a question or an answer and whether the topic was of an emotional or a material nature. Achieved 89% averaged accuracy across tasks winning the competition (out of 6 teams).

### CGraph

[cgraph.herokuapp.com/](http://cgraph.herokuapp.com/)

Even though code is written linearly, it executes in like a graph. Collaborated with another developer to create CGraph: a tool that takes arbitrary C code, generates a function call graph, and creates an interactive visualization of the results side-by-side with the code. Allowing for a more natural way to explore a code base.

### Rtasklib

[will-paul.com/rtasklib](http://will-paul.com/rtasklib)

Created a Ruby library that allows developers to interact with the TaskWarrior application. Focused on quality end-user documentation and test driven development.

## CORE SKILLS

Programming languages	Libraries	Frameworks	Databases	Favorite tools
Ruby	React/Flux	Rails	MongoDB	Git
JavaScript	SciKit	Sinatra	PostgreSQL	Vim
Python	D3.js	Rack	MySQL	Rake
OCaml	Backbone	Middleman		Latex
C#/F#	Socket.io	Express		

