

# BENJAMIN GRAWI

bgrawi.com  
bengrawi@gmail.com  
github.com/bgrawi

## EDUCATION

### Rochester Institute of Technology

Software Engineering (BS) 2018 (Expected)  
- 3.83 Cumulative GPA

### SUNY Orange

Dual-enrolled while in H.S., earned 32 credits.

## SKILLS

Proficient In

- **JS/HTML/CSS**, Java, PHP, web technologies like Angular/TypeScript/jQuery/etc.

Familiar With

- **C++**, C#, C, ASP.net MVC, MySQL, Node.js, Git, Unit testing.

## EXPERIENCE

### Google - Software Engineering Intern - Mountain View, CA

*Spring 2016, 2017*

- 2017: Engineered a production-ready web frontend feature using the Google Photos infrastructure.
- 2016: Built a new full-stack feature (C++, Java, Web UI) for Google Photos in the Geo department

### Microsoft - Software Engineering Intern - Redmond, WA

*Summer 2015, 2016, 2017*

- 2017: Designed & implemented XAML and C++ features in Microsoft Edge.
- 2016: Worked on prototyping new Microsoft Edge features with JS and C++.
- 2015: Designed and implemented two ASP.net "WebAPI" services utilizing several Azure services on the Dynamics CRM team.

### Bryx, Inc. - Software Engineer - Rochester, NY

*April 2014 - February 2016*

- Wrote a Leaflet.JS map data visualizer, user management system, live-updating web application for first responders and dispatchers so that they can view and respond to 911 alerts as they happen.
- Worked on their website with Angular.js, Bootstrap; including collaboration on API design.

### The Green Team Home Selling System - Web Developer - Warwick, NY

*February 2011 - February 2016*

- Designed and developed *GreenTeamHV.com*, a responsive, single-page real estate search engine (*now defunct*). Created a custom PHP MVC framework with client-side routing in JavaScript. Also made a Google Calendar/Contact Syncing System for SugarCRM.

### Blue Buckle Marketing - Web Developer - Chester, NY

*April - July 2011*

- Contracted to create public-facing websites for local companies including some SEO/marketing work.

### Onion House Productions - Self-owned freelance business - Florida, NY

*2008 - 2010*

- Developed various websites, contacted and negotiated with clients, deployed and maintained sites.

## PROJECTS

### Fourier Visualizations, an interactive audio-visual wave simulator - [bgrawi.com/Fourier-Visualizations](http://bgrawi.com/Fourier-Visualizations)

- Learned HTML5 Canvas, WebAudio APIs, Material Design, and Fourier's actual theorems

### JSFLAP, a web-based finite state machine designer and simulator - [jsflap.com](http://jsflap.com)

- Learned D3.js, TypeScript, and Foundation to create a more user-friendly "JFLAP" replacement.

### CSH "ScheduleMaker" Redesign - [schedule.csh.rit.edu](http://schedule.csh.rit.edu)

- Redesigned the frontend of a popular RIT schedule creation tool with Angular.js, Bootstrap, and more.

### Commit Guru, a commit analyzing system, a research project with Dr. Emad Shihab - [commit.guru](http://commit.guru)

- Created a Node.js web application (Sails.js/Socket.io/Angular.js) that displays bug-inducing commits.

## LEADERSHIP/ACTIVITIES

- Eagle Scout and Assistant Scoutmaster.
- Independent Study with Prof. Shihab to mine software repositories and create a web service to display levels of bug-

introducing commits; co-authored published paper for the ESEC/FSE 2015 conference.

- Computer Science House alumni at RIT.
- RIT Outstanding Undergrad Scholar Award.
- 2015 Student Gov. Technology Committee.