

BENJAMIN GRAWI

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EDUCATION

Rochester Institute of Technology

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

SUNY Orange

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

COURSEWORK

- Computer Science I & II & Theory
- Engineering Secure Software
- Engineering of Software Subsystems
- SW Process and Project Management
- Engineering Fundamentals of Comp. Sys
- Real-time and Embedded Systems

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

PROJECTS

Fourier Visualizations, an interactive audio-visual wave simulator - 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

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

CSH "ScheduleMaker" Redesign - 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

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

EXPERIENCE

Google - Mountain View, CA

February - May 2016

- Built a new full-stack feature (C++, Java, Web UI) for Google Photos in the Geo department as a *Software Engineering Intern*.

Microsoft - Bellevue, WA

May - August 2015, 2016

- 2016: Worked on prototyping new Microsoft Edge features with JS and C++ as a *Software Engineering Intern*.

- 2015: Designed and implemented two ASP.net "WebAPI" services utilizing several Azure services on the Dynamics CRM team as a *Software Engineering Intern*.

Bryx, Inc. - 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 - 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 - 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

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

LEADERSHIP/ACTIVITIES

- Eagle Scout and Assistant Scoutmaster.
- Independent Study with Prof. Shihab freshman year working on mining

software repositories and a web service to display levels of bug-introducing commits;

co-authored published paper/demo for the ESEC/FSE 2015 conference.

- Computer Science House member at RIT.