

# Christopher Abajian

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## OBJECTIVE

To build onto and utilize knowledge of Computer Engineering and Software Engineering principles and gain valuable experience through co-op employment. Available spring through summer 2020.

## EDUCATION

**ROCHESTER INSTITUTE OF TECHNOLOGY**, Rochester, NY

Bachelor of Science in Computer Engineering, expected May 2022

**GPA:** 3.75/4.00

**Awards:** Dean's List Fall 2017 – present.

### Courses:

Digital System Design I, II w/ Lab  
Intro to Software Engineering

Intro to Embedded Systems w/ Lab  
Computer Science I, II

Physics I, II  
Circuits I

## SKILLS

### Programming Languages:

- Most experience with: VHDL, Verilog, Python, Java, HTML, CSS, ARM Assembly
- Some experience with: C, C++, JavaScript

**Software:** Altera Quartus, ModelSim, Vivado Design Suite, JetBrains products, MS Office

**Hardware:** Oscilloscope, Digital Multimeter, DC Power Supply, Waveform Generator

**Development:** Familiar with Agile and Scrum development processes.

## PROJECTS/LABS

- Designed and developed a Morse Code decoder on an Artix-7 Basys 3 FPGA in Verilog.
- Created a portable, solar powered Bluetooth weather station using Arduino and developed an Android application for the User Interface. ([www.instructables.com/id/BLEWeather-a-Portable-Bluetooth-Weather-Station/](http://www.instructables.com/id/BLEWeather-a-Portable-Bluetooth-Weather-Station/))
- Designed a finite-state machine to detect a certain sequence of binary values and implemented and simulated the state machine using VHDL and ModelSim.
- Developed a color matching game for the Freedom KL46Z board which incorporated a serial I/O driver, a timer driver, and general-purpose I/O pins for LED indicators. Written in both ARM Assembly and C.
- Structurally assembled a Pipelined MIPS Processor using VHDL.

## EXPERIENCE

**Landscape Worker**, Schill Landscape Group, LLC.

May 2019 – Present

- Maintained three dozen properties on a weekly basis through lawn mowing operations.
- Cleaned and maintained lawn mowing equipment.

**Web Developer**, Schill Insurance Group, LLC.

May 2018 – September 2018

- Designed and built main website from the ground-up using Grav CMS for dynamic client creation and page edits.
- Implemented PGP encryption for enrollment forms that contain sensitive information.

**Interface Operations Intern**, Marathon Health

May 2018 – August 2018

- Reduced the overall processing time for demographic files in Microsoft VisualCron by analyzing and rearranging job schedules.
- Established a more complete record of schema mapping details for each interface used by Marathon Health.
- Queried and updated patient record counts using SQL.

## ACTIVITIES/INTERESTS

STEM Academy 2013 – 2017; Apps for Good (US mentoring extension); Soccer; Guitar