

George Walter Colgrove IV

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Objective

To obtain a Software Engineering Co-op to gain software development and team experience.

Education

Rochester Institute of Technology

- Major: Software Engineering, 2015-2020.
- Minor: Computer Engineering.

Experience

Rochester Institute of Technology, Software Programmer (PHP, SQL, JQuery, C++)

- Developed new features and fixed defects for an RIT administrative tool system.
- Developed the new start.rit.edu page which included a responsive design.
- Helped migrate the code base from PHP5 to PHP7.

Projects

zuler – Discord Bot (C#, WPF, Console, JSON)

- Personal project to develop a discord bot that I improve in my free time.
- Implements the.imgur, weatherunderground, and cleverbot api.
- Helps manage new people coming into a voice channel.
- Updated from the previous v.9 to the v1.0 Discord.Net library.

Tiger Tenant (Java, Spark, Velocity, MySQL, HTML, CSS, JavaScript)

- Online posting board to advertise a sublet.
- Worked in a team of 5 with the scrum process.
- <https://beta.georgecolgrove.com/projects/tigertenant>

Chemistry Tools UWP (C#, UWP, MVVM, SQLite)

- Personal project to use the UWP framework and implement the MVVM pattern.
- Chemistry reference app, with Periodic Table info, including an algorithm to name most binary compounds.
- Has received 5000+ downloads.
- <https://georgecolgrove.com/projects/chemistryuwp/>

Homework Tracker (ReactJS, Babel, HTML, CSS)

- Worked in a team of 5 to develop a homework tracker web application.
- Shared the load in developing new features and bug fixing, and collected data from user tests.

Personal website and server (PHP, SQL, JQuery, CSS)

- Managing my personal server hosting projects I am working on and donate computing time to World Community Grid.
- <https://georgecolgrove.com/>

Arduino Robot (C++)

- Class project to develop a 3 wheel robot utilizing a remote control with gyroscope/accelerometer, depth sensor, and status LED.
- Utilized microcontroller registers to set settings.

Vector Math (C#, Silverlight)

- Vector-adding program using Windows Phone Silverlight GUI API.
- 250+ downloads.
- <https://georgecolgrove.com/projects/vector/>

TapTapCAsm (C, Assembly)

- Hardware implementation of Tap Tap using hardware elements to test reaction speed.