

George Walter Colgrove IV

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Objective

To work as a full-stack developer to develop a maintainable and flexible codebase. To implement best practices, protect the infrastructure from malicious actions, and gracefully respond to errors.

Education

Rochester Institute of Technology

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

Experience

Forbes, Developer Intern

[Angular, React, Docker]

- Implemented new features and improved user experience
- Improved test speed by 25% while improving stability and coverage.
- Developed Office Map application.

Software Advice, Developer Intern

[PHP, Angular, MySQL, Docker]

- Implemented new features
- Improved and expanded the testing of the codebase
- Developed a well-used monitoring tool
- Migrated sections of codebase away from PHP5 to PHP7

Rochester Institute of Technology, Developer Intern

[PHP, JavaScript, SQL, jQuery, Java]

- Implemented a new responsive user interface for start.rit.edu.
- Refactored portions of the admin portal.
- Migrated sections of codebase away from PHP5 to PHP7
- Implemented additional features for the admin portal

Projects

3uler – Discord Bot

[C#, WPF]

- 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.
- <https://www.georgecolgrove.com/projects/3uler/>

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://www.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://www.georgecolgrove.com/projects/chemistryuwp/>

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.