Richard Protasov

Personal Information

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protasov.me
github.com/rprotasov

Education

August 2015 - Present
New College of Florida, Bachelors in Computer Science

Projects

Harald

- Open source library in Rust
- Platform independent implementation of the Bluetooth Low Energy interface
- Designed to be developer friendly by abstracting details in the Bluetooth LE specification; exposing a core central client and peripheral client to facilitate communication between devices

Edsger

- Web application providing users with optimized routes given multiple locations and criteria; merges topics in relational database design and applied graph theory
- Developing an in-house file system for organization of routes and groups; developing a space for sharing and management of routes and groups between users
- Leading a team of two, coordinating tasks and project aims
- Built with the Laravel framework, MySQL, Git, and the Google Map APIs

Experience

May 2016 - Present
Focus School Software - Software Engineer Intern

- Developing an extensible and creative dashboard containing summary statistics for employees along with a photo upload and crop tool for managing employee photos
- Fixing bugs, improving, and adding features to a variety of modules in Focus School Software's ecosystem including report cards, human resources, and student applications
- Working with PHP, SQL, Javascript, Laravel, Angular, SVN, Jira, and various in-house libraries

August 2016 - December 2016
New College of Florida - Computer Architecture Teaching Assistant

- Assisted students with theoretical and technical topics during weekly office hours and weekly class workshops
- Graded and provided feedback on student submissions for workshops
- Worked with instructor to write tests and provide feedback on the material

Courses

Introduction to Algorithms, Computer Networks, Object Oriented Programming, Object Oriented Design, Discrete Mathematics, Calculus I and II, Linear Algebra, Advanced Linear Algebra, Introduction to Data Mining, Computer Systems, Cryptography and Security, Image Processing and Computer Vision

Graduate Courses

Optimization and Machine Learning, Distributed Computing