## Gerhardt Funk

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Technologies

| | |
|---|---|
| Web | HTML5, CSS, SASS, jQuery, Bootstrap |
| Programming | C#, JavaScript, TypeScript, Java, Python, Ruby |
| Data | SQL (MySQL, Entity Framework), JSON (RESTful API's) |
| Frameworks | Angular2/6, NodeJS, NumPy, SciPy, .NET MVC |

Education

Louisiana State University

**MS Mathematics** Concentration: Numerical Methods

Centenary College of Louisiana

**BS Physics**, **BS Mathematics** Minors: Computer Science, Philosophy

Projects

**Academic** -- Implemented high performance computing algorithms in Python

**CodeAcademy** -- Completed several courses in web development topics and SQL

**CodeAbbey** -- Solved 150 tasks in graph theory, game theory, numerical analysis, modeling, and computational geometry

**Project Euler** -- Solved 130 problems involving data structures and algorithms

**CodingBat** -- Solved 353 problems in CS fundamentals, such as arrays, control structures, and recursion

Work Experience

Private Tutor (2010 – Present) : CS Algorithms & Data Structures, Calculus I & II, AP Physics,

Mathematics\Physics Teacher (2016 – Present)

Red Rocks Community College\Community College of Aurora\Community College of Denver

Continuing Technical Education

Have completed several self-study PluralSight courses covering Angular2, C#, and ASP.NET MVC

Publications

"What the Oblique Parameters S, T, and U and their extensions reveal about the 2HDM: A Numerical Analysis." (2012), Gerhardt Funk, Michael Winters, and Deva O'Neil *International Journal of Modern Physics A*