

Atlanta, GA

# Gregory Gaines

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[www.gregei.com](http://www.gregei.com)

Highly motivated engineer with experience developing software for multiple industries and ready to apply my skill set to develop web, mobile, or desktop applications and provide quality software.

## Experience

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<b>Software Engineer</b>	<b>Amazon</b>	<b>June 2020</b>
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<b>Software Engineer</b>	<b>Air Care Companies</b>	<b>April 2019 – October 2019</b>
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- Modeled, diagrammed, and redesigned the software architecture to improve performance.
- Wrote and managed multiple REST API services.
- Managed multiple back-ends and databases with multiple technologies namely PHP, SQL, and MSSQL.
- Implemented the back-end and database of a Hope Depot promotion due that allows customers to enter a hidden version of the site when a unique code is entered.
- Worked efficiently with a team in an Agile environment.
- Built front-end pages in HTML5, CSS, and JavaScript.
- Built a mobile app with C#, Xamarin, and Java.

<b>Software Engineer</b>	<b>Hamilton Multimedia LLC</b>	<b>March 2017 – March 2020</b>
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- Designed websites in a team following an Agile methodology.
- Built sites using Bootstrap to create a responsive design and enhancing the user experience with JavaScript.
- Followed secure and best practices to increase website and database integrity
- Debugged sites to find potential bugs before they conflict with users, increasing customer satisfaction, and improving the business.
- Handled database and back-end services with PHP and MYSQL

## Professional Projects

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**My Mold Detective Customer Portal, E-Commerce** - <https://customers.mymolddetective.com/>

- A dashboard that allows customers to manage or place orders. The portal is abstracted into two parts, the front-end client and back-end REST API to make future product integrations easy.

**My Allergy Detective, E-Commerce** - <https://myallergydetective.com/>

- WordPress site customized with HTML, CSS, and JavaScript that shows all product features and information for easy access and purchase.

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**General Griggs Website, Law Firm** - <https://www.geraldagriggs.com/>

- Developed with PHP, CodeIgniter, and Bootstrap creating a responsive experience for screens ranging from desktop to mobile.

**True Quest Realty, Property Management** - <http://www.truequestrealty.com/management/>

- Management site with a back-end content management system that allows admins to login and add properties, contact clients, and send out mass email updates. Created with PHP, CodeIgniter, and SQL.

## Personal Projects

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**Gameboy Emulator** - <https://github.com/gregei/gBoy/>

- Implementation of the Gameboy hardware architecture such as the Z80 instruction set, LCD, and other subsystems, written using object-oriented principles, Java, and the Maven build system.

**Unbeatable Tic-Tac-Toe AI** - <https://www.tictactoe.gregei.com/>

- Unbeatable Tic-Tac-Toe AI written in JavaScript that counters every move made to remain unbeatable.

**Chip-8 Emulator** - <https://github.com/gregei/Potato-8/>

- Chip-8 emulator written completely in Java, which emulates the core functions such as the CPU instruction set and video.

**Portfolio and Blog** - <https://www.gregei.com/>, <https://www.blog.gregei.com/>

- Created my own portfolio and blog with CodeIgniter, PHP, HTML, CSS, and JavaScript to showcase my experience, skills, and to write technical write-ups about computer science.

## Skills

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- **Programming:** Java; C++; C#; .NET; MYSQL; MSSQL; HTML5; CSS; Golang; Object Oriented PHP; JavaScript; Gradle; Maven; jQuery; Bootstrap; CodeIgniter; Ajax; WordPress; Node.JS; React; TypeScript; Android; Rest API; JSON; Laravel.
- **Tools:** IntelliJ; Visual Studio; Android Studio; CLion; Jira; Git; LAMP; Linux; Apache, NGINX, SSH; SourceTree.