**Wenqi He（何文琦）**

EXPERIENCE

**PegasusCRM** | Front-End Web Developer Intern

January – May 2018 | Atlanta, GA

* *Helped migrating sortable/searchable tables from jQuery DataTables plug-in to Vue.js reimplementation.*
* *Used Sass to provide customizable themes created by UX designer.*
* *Fixed bugs on the Laravel back end newly migrated from CakePHP.*

PERSONAL PROJECTS

**Sitting Time Tracker** (in progress) – full-stack

* *Utilized device accelerometer to track sitting time. The data is then stored in a MySQL database via a Go server.*
* *Created data visualization using D3.js and used WebView (Android) and WKWebView (iOS) to display on mobile.*

**Two Factor** (in progress) – full-stack

* *Implemented a Node.js server to communicate with Firebase Cloud Messaging and Apple Push Notification Service to send push notifications to user devices when user attempts login.*
* *Used Socket.io for the server to notify front-end login page when user confirms login on the mobile app.*

**Web REPL** – full-stack Web

* *Created a simple online Python IDE using Node.js for people learning Python to type in and run code through a web page.*

**DeclarativeDOM** – front-end Web

* *Designed a mechanism to automatically update UI in response to application state changes based on variable dependencies managed by a DOM-like data structure.*

OTHER PROJECTS

**OpenEval** *Junior Design project (in progress)* **– full-stack Web, iOS**

**Native Router** *Proof of concept: client-side routing* **– Web Components**

**WSServer** *WebSocket server written in server-side JavaScript* **– Node.js**

**Hangman** *Socket programming project, command-line game server/client* **– C**

**Raiden** *C programming project, vertically scrolling shooter game for GBA* **– C**

**MARTA Passenger Traffic** *MySQL database course project* **– full-stack Web**

**Clean Water Crowdsourcing** *OOD course project* ***–* Android, iOS, Firebase**

**WolframAlpha CLI** *Command-line utility based on XML parsing* **– Python**

**EtymOnline CLI** *Scraping Online Etymology Dictionary entries* **– JSDOM**

**MyPromise** *Proof of concept: implementation of Promise API* **– JavaScript**

github.com/GalMunGral

hewenqi96@gmail.com

+1(470)343-5207

EDUCATION

**Georgia Institute of Technology**

*Bachelor of Science in Computer Science*

*Minor in Physics*

August 2015 – Present *GPA: 4.0/4.0*

TECHNICAL SKILLS

*Familiar with:* JavaScript, C, Java, Swift

*Used:* Python/Kotlin/C#/MATLAB/SQL

*Bash, Git, HTML/CSS/JS, Sass/LESS, React.js, Redux.js, Vue.js, Express.js, Node.js, jQuery, Bootstrap, iOS, Android, Xamarin*

COURSEWORK

*Computer Networking, Computer Organization, Operating Systems, Relational Database, Information Security, Numerical Analysis, Computer Simulation, Machine Learning, Design and Analysis of Algorithms*

PERSONAL INTERESTS

*Theory of General Relativity,*

*Historical Chinese phonology,*

*Classical languages & Etymology, Travelling on foot, Billiards, K-Pop*

OTHER SKILLS

*Korean – Elementary proficiency*

*Mandarin Chinese – Native proficiency*

*Piano Performance – Grade 10/10*

*Certified by China Conservatory of Music*