

# 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](https://github.com/GalMunGral)

[hewenqi96@gmail.com](mailto: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*