**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 to Vue.js.
* Helped fixing bugs in the PHP Laravel backend newly migrated from CakePHP.
* Used Sass/LESS to provide customizable themes created by UX designer.

PERSONAL PROJECTS

**Declarative DOM** – front-end Web

*Manage UI (inter)dependencies with a virtual DOM*

* Designed a mechanism that updates UI automatically in response to any data / UI state changes so that human errors can be eliminated.

**Web Python REPL** – full-stack Web

*A browser interface to server-side Python interpreter*

* *Replicated a simple online IDE using Node.js for users to run Python 2.7 code through a web page.*

**Native Router** – front-end Web; Proof of Concept

*Client-side routing using Web Components*

**Sitting Time Tracker** – iOS/Android; Proof of Concept

*Tracks sitting time using built-in accelerometer*

**My Promise** – JavaScript; Proof of Concept

*A basic polyfill for ES6 Promise API*

**Two Factor** – iOS/Android; Proof of Concept

*Two-factor authentication enabled by push notification*

**WS Server** – back-end Web; Proof of Concept

*Node.js implementation of a WebSocket server*

**WolframAlpha CLI** – back-end Web

*Extracts data from WolframAlpha’s XML API*

**EtymOnline CLI** – Web-scraping

*Scrapes word definitions from web pages using Jsdom*

COURSE PROJECTS

**MARTA Passenger Traffic** – full-stack; MySQL/Express/React/Redux

**Clean Water Crowdsourcing** – mobile; Google Maps/Firebase

**Hangman** – multithreaded Hangman game server (TCP) written in C.

**Raiden** – vertically scrolling shooter on VBA written in C.

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EDUCATION

**Georgia Institute of Technology**

*Bachelor of Science in Computer Science*

*Minor in Physics & Mathematics*

August 2015 – Present GPA: 4.0/4.0

TECHNICAL SKILLS

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

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

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

COURSEWORK

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

INVOLVEMENT

GT Bits of Good | Fall 2017

Front-End Web Developer

MARTA Hackathon | Sep. 2017

Web Developer

PERSONAL INTERESTS

Theory of Relativity, K-Pop, Billiards, Classical languages & Etymology,

Middle Chinese phonology,

Travelling on foot

OTHER SKILLS

Mandarin Chinese – *native fluency*

Korean – *beginner fluency*

Piano Performance – Grade 10/10 *Certified by China Conservatory of Music*