

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