

# Wenqi He (何文琦)

## EXPERIENCE

### PegasusCRM | Front-End Web Developer Intern

January – May 2018 | Atlanta, GA

- Implemented a data table with sorting, searching and filtering functions in Vue.js with a Laravel backend.
- Used SASS to implement UX designer's style guide.

## PERSONAL PROJECTS

[github.com/GalMunGral/mini-web-projects](https://github.com/GalMunGral/mini-web-projects)

### DeclarativeDOM

*A virtual DOM for managing UI dependencies*

- Implemented a tree that automatically updates DOM properties when underlying data changes.

### WebREPL

*A browser interface to server-side Python interpreter*

- Implemented a Node.js server that communicates with a Python REPL subprocess to evaluate user inputs and sends outputs/errors back to the browser.

### MyPromise

*A mock implementation of the ES6 promise API*

- Implemented a chainable wrapper for async callbacks.

### WSServer

*Node.js implementation of a WebSocket server*

### WolframAlpha CLI

*Extracts textual results from WolframAlpha's XML API*

## COURSE PROJECTS

### MARTA Passenger Traffic | Web | CS4400 | Oct. – Dec. 17

[github.com/GalMunGral/marta-passenger-traffic](https://github.com/GalMunGral/marta-passenger-traffic)

- Implemented REST API using Express.js and MySQL.
- Used React.js/Redux.js to manage UI.

### Clean Water Crowdsourcing | iOS | CS2340 | Jan. – Jul. 17

[github.com/GalMunGral/clean-water-crowdsourcing](https://github.com/GalMunGral/clean-water-crowdsourcing)

- Used Google Maps and Firebase SDKs for CRUD.
- Implemented simple user management on Android.

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

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## EDUCATION

### Georgia Institute of Technology

*Bachelor of Science in Mathematics*

*Minor in Computer Science & Physics*

August 2015 – Present GPA: 4.0/4.0

## TECHNICAL SKILLS

*Familiar with:* JavaScript, C, Python

*Used:* Java, Swift, C#, SQL, MATLAB

*Bash, Git, HTML/CSS/JS, SASS/LESS, Redux, React, Vue, jQuery, Bootstrap, Node, Express, Xcode, Xamarin*

## COURSEWORK

*Design and Analysis of Algorithms*

*Computer Systems and Networking*

*Relational Database*

*Machine Learning*

*Numerical Analysis*

*Quantum Mechanics*

## INVOLVEMENT

GT Bits of Good | Fall 2017

Front-End Web Developer

MARTA Hackathon | Sep. 2017

Web Developer

## OTHER SKILLS

Mandarin Chinese – *native fluency*

Piano Grade 10 – *certified by China Conservatory of Music*