

# REGINA Y. CHEN

code x design

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## EDUCATION

### UNIVERSITY OF TEXAS AT AUSTIN

Turing Scholar Honors

B.S. Computer Science

Expected May 2020

GPA: 3.68/4.00

## SKILLS

### LANGUAGES

Java, HTML/CSS

C, C++, Ruby, JavaScript

Python, x86 Assembly, Verilog

### TECHNICAL

Agile (Scrum), Git, Jenkins, JUnit,  
Node.js, Rails, RSpec, Vim, Unix

### OTHER

Adobe Photoshop, Final Cut Pro

## COURSES

### CURRENT

Algorithms & Complexity

Competitive Programming

Data Mining

### PAST

Operating Systems

Computer Architecture

Data Structures

Discrete Mathematics

## ORGANIZATIONS

### SCIENCE OLYMPIAD

Communications Chair

Organizing biannual STEM

tournaments for 500+ students.

## ASK ME ABOUT

Traditional Art + Doodling

Japanese + Study Abroad

## EXPERIENCE

### WP ENGINE

Software Engineering Intern | Summer 2017

- Developed system to deliver notifications to over 70,000 customers as a user experience improvement to decrease clutter in email inboxes.
- Integrated RESTful notifications API into user portal and implemented notification delivery for page performance tests.
- Ruby on Rails, Rspec, Agile (Scrum), Git, Heroku, Jenkins, JIRA, Final Cut Pro

## PROJECTS

### GREENA

HackTX | October 2017

- Interactive environmental data visualization platform of carbon dioxide emissions of the top 500 emitting companies.
- Worked on overall product flow and UI design, and used data to build a choropleth map of countries by carbon emissions.
- Python, Flask, MongoDB, HTML/CSS

### TRAVELCAT

HackMIT | September 2017

- Facebook chatbot for planning itineraries and journaling trips.
- Assisted in development of chatbot state machine for creating a trip, finding flights, and searching for points of interest.
- Python, Flask, Amadeus Travel Innovation Sandbox APIs

### PIPELINED CPU

May 2017

- Designed a pipelined processor for a Turing-complete instruction set.
- Utilizes branch prediction, flushing, forwarding, and stalling for efficiency.
- Verilog

### “FUN” LANGUAGE COMPILER

February 2017

- Interprets and compiles Fun language programs into x86 Assembly code.
- Supports variable scope, control flow, logic, arithmetic, and linked lists.
- C, x86 Assembly

### TGOOGLE WEB CRAWLER

December 2016

- Created web crawler and search engine that crawls through the web, builds a full-inverted index of pages, and responds to search queries efficiently.
- Java, HTML/CSS, JUnit