MAX WANG

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EDUCATION

University of Texas, Austin May 2018
B.S., Electrical & Computer Engineering
Overall GPA: 3.39

PROJECTS

Silver Surfer April 2016
HackDFW - Dallas, TX

- Created a web application using Python and the Django framework that connects to Twilio's API and allows users to call their friends with a humorous voice message
- Prototyped a frontend using Twitter Bootstrap and JavaScript/jQuery
- Attracted approximately 5,000 users and raised $200 in ad revenue within the first 24 hours of deployment

Coyote January 2016
HackRice - Rice University, Houston, TX

- Led team of three in building Python application that allows users to find cooking recipes based on the ingredients that they already have at home, helping to eliminate food wastage
- Developed backend using Django framework combined with MongoDB to allow users to save recipes
- Set design guidelines and assisted teammates in building frontend with Twitter Bootstrap

TravelSMS September 2015
MHacks 6 - University of Michigan, Ann Arbor, MI

- Created an application that provides users with relevant information when traveling in new cities (weather forecasts, top rated restaurants, parks, etc.) without the need for a data connection
- Built a backend using Ruby on Rails and the Twilio API for its cloud SMS services

The Collegiate Club September 2015
TechCrunch Disrupt SF Hackathon - San Francisco, CA

- Created a web app that predicts a student's odds of acceptance at top universities based on their application essay
- Developed backend with Node.js and used IBM Watson's natural language and tone analysis capabilities to extract data from sample essays from universities such as Stanford, UC Berkeley, MIT, UT Austin, etc.
- Worked with a partner to create a working algorithm that is able to calculate a user's chances of success

EXPERIENCE

Metamaterials Research May 2014 - August 2014
University of North Texas, Denton, TX

- Analyzed RF electronic circuit elements in a laboratory setting, working with graduate students in studying materials with negative permittivity and permeability
- Worked with HFSS (High Frequency Structure Simulator) software to measure the effects of electromagnetic fields on metamaterials of varying size, structure, and composition

SKILLS

Languages	Python, Java, C/C++, JavaScript, HTML, CSS
Libraries & Frameworks	Django, Flask, jQuery, Twitter Bootstrap, MongoDB

RELEVANT COURSEWORK

Software Design & Implementation I and II
Algorithms
Computer Architecture
Embedded Systems
Introduction to Computing
Discrete Mathematics