David Z. Chen

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EDUCATION

UNIVERSITY OF TEXAS AT AUSTIN
B.S. in Electrical and Computer Engineering 2020
GPA: 3.3350 | Technical Core: Software Engineering

EXPERIENCE

IBM | Support Engineer Intern
May 22nd 2017 to Current | Austin, TX
- L2 Support Engineer (Problem Determination) for IBM Cloud's Business Process Manager platform;
- Troubleshoot and replicate issues that crop up from standard runtime/ui and create solutions or workarounds for the problems;
- Utilize technical prowess to determine cause of customer problems and soft skills to ensure customers are happy and informed;
- Interact with web technologies (REST APIs, SSL and email protocols) and gain a deeper understanding of how they work.

PROJECTS

SEEGREEN | Best Environmental Hack - 4th Place Overall
April 2017 | EARTHACK by HackDFW in Dallas, TX
- Hackathon project (fourth place overall) demoed and created with three other participants;
- Android application (Java/XML) that contains a chatbot and object identification module using a phone camera;
- Created backend for project that used IBM Bluemix API for Natural Language Processing (NLP) and MeaningCloud for topic categorization (machine learning);
- Built using Agile methodology: periodic SCRUMs to promote collaboration, continuous integration of features onto base Android application, and broke application into manageable parts to ensure everyone was doing something.

SPOTIFY REORDERING | 2nd Place Overall Project
April 2017 | MusicHacks 2017 by Freetail Hackers in Austin, TX
- Hackathon project (second place entry) created with another participant;
- Programmed backend web server using Python with Flask framework;
- Implemented Spotify's API to analyze personal playlists and sort said playlists using analytics done with Spotify's Audio Features API;
- Helped to create four different sorting algorithms (ascending, descending, peak, and logarithm) using nine different meatrics of track.

WWWTE - MAKING EATING OUT SIMPLER | Winning Entry
March 2017 to April 2017 | Software Engineering Summit by Capital One
- Winning entry from six hundred applicants for Capital One's Software Engineering Summit programming challenge;
- Created utility website that helps groups of people make a decision about what to eat and where to eat;
- Programmed with Express, Angular 2, Node.js web frameworks and utilizes Yelp Fusion API and Google Maps API.

SKILLS

PROGRAMMING

Proficient:
  C • Java • Python

Familiar:
  Android • Assembly • CSS
  HTML • Javascript

Exposure:
  C++ • Typescript

FRAMEWORKS

Exposure:
  Angular 2 • React.js • Express
  Node.js • Flask

TOOLS

Proficient:
  Windows • Atom

Familiar:
  Git • Eclipse

Exposure:
  Unix (OS X) • Linux • Vim

AWARDS

2017
  1 of 37   SW Eng Summit - Capital One
  4th/80   EARTHACK - HACKDFW
  2nd/19   MusicHacks - Freetail Hackers
2016
  1 of 15   Cert. in Leadership Dev.
  1 of 8   AP Scholar with Distinction

VOLUNTEERING

MadLabs • Android Developer
- Mobile apps for communities without the means to build them
- For Austin community, other student orgs in UT, or MAD itself.

ACTIVITIES

Student Organizations
  Mobile Application Development
  Robotics and Automation Society
  UT IEEE Chapter
  UT Solar Vehicles Team