MICHELLE DENG

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EDUCATION

Carnegie Mellon University *August 2018*
M.S. Educational Technology and Applied Learning Science (METALS)

Carnegie Mellon University *B.S. Cognitive Science, Minor Computer Science*

EXPERIENCE

OpenChirp March 2017–May 2017
Research Assistant *Pittsburgh, PA*

· Used Angular2, HTML, and CSS to code features for a website and dashboard based on a stable REST API backend.

InsideSales.com May 2016 - August 2016
Software Engineer Intern *Provo, UT*

· Built a new monitoring app for the data science team using Angular 2 to monitor the performance of training models for lead-scoring over time.
· Coded a Python backend to pull and organize data from HBase, store it in MongoDB, then serve it on a Flask app to be retrieved by the Angular 2 app.

Waterfall May 2015–August 2015
Software Engineer Intern *San Francisco, CA*

· Built an automated test framework for Waterfall SMS Platform by writing unit tests using JUnit to verify text messages users sent and received via the platform were captured in the database, and used Selenium to create automated tests for the text messaging campaign process on the platform's frontend.
· Constructed in Photoshop a new message process diagram that shows the messaging cycle between the user and the system. Created ERD's for the backend databases.

RESEARCH

SCIPR Project at Articulab Fall 2016–Spring 2017
Research Assistant *Pittsburgh, PA*

· Designed and implemented Wizard of Oz experiment, user interface, and its backend programs using Unity, Virtual Human Toolkit, BEAT, SmartBody, and Text-To-Speech technologies.
· Performed independent research relating to curiosity, scientific inquiry, and multiparty interaction in learning contexts by conducting literature review and formulating a research question, preparing data for analysis, and carried out analysis to write up results in a final paper.

PROJECTS

4U TartanHacks 2017

· Used the IBM Watson SDK , Yelp API, and OpenCV to develop a voice-controlled, facial recognition personalized assistant that can help plan budget and recommend places to eat based on stated food preferences.

Waterfall Fit   Waterfall, Summer 2015

· Volunteered to construct and lay the groundwork in building a Django web application in Python to log users' fitness activities and enable peer competition based on the intensity and duration of their exercises.
· Designed and implemented the backend database with MySQL to store user, account, and exercise information extracted from their email accounts and submitted through forms. Used Google's OAuth2 for the app's authentication protocol and formatted UI with HTML.

TECHNICAL SKILLS

Proficient	Python, Java, SML, C, JUnit, Angular2, LaTeX, Adobe Photoshop, OS X
Experienced	HTML/CSS, Javascript, MongoDB, Django, Selenium, VIM , IntelliJ, Linux/Windows, Git

EXTRACURRICULAR ACTIVITIES

alpha Kappa Delta Phi, Sorority Inc   Carnegie Mellon University
Fall 2013–Spring 2017   *Pittsburgh, PA*

· Held various positions including: Academic Chair, Greek Sing choreographer and scriptwriter, and Assistant New Member Educator.