ADITYA THAKRAL

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University of Waterloo, Computer Science (2A)

SKILLS

Languages	Python, JavaScript, HTML5, CSS3, C, Racket, Shell
Frameworks/Tools	Git, React, React Native, Firebase, MongoDB, Node.js, Express.js, Meteor.js

EXPERIENCE

PerkinElmer, Full Stack Developer   May 2017 – Present
- Built a Web App and a Voice User Interface for a PerkinElmer spectrometer using Meteor.js and Api.ai
- Utilized Socket.IO to connect the web app to a middleware to get real time data instead of mocking it
- Created middlewares on different SoCs to make the spectrometer cross platform
- Used GUI automation with Python to improve workflow

Erigeron Energy, Software Engineering Intern   June 2016 – August 2016
- Developed a solar savings calculator using modern web technologies
- Used material design guidelines to design the calculator
- Managed and added features to their WordPress website

PROJECTS

Monopoly Deal   July 2017 – Present
- Implemented Monopoly Deal card game for mobile using React Native and Firebase
- Created the card component
- Setup React Native Navigator to easily transition between views
- Designed and created the login and splash screen

Heimdall, Finalist at Equithon   May 2017
- Created a web app that helps find missing persons
- Utilized Microsoft Face API for face recognition on pictures from volunteers' social media accounts
- Integrated the web app with Twilio to get an instant update in case of a positive match

Sign Language Translator, First Position at Electric City Hacks   November 2016
- Built a Python application that translates American Sign Language to Speech and Text
- Analyzed raw vector data of position of hands using a Leap Motion to output meaningful words as text
- Implemented text to speech in Python using the Google Text to Speech library

ACTIVITIES

Mentor and Volunteer, Techyon – University of Waterloo   June 2017 – Present
- Mentored a workshop to help students create their personal website
- Helped organize and manage about 8 tech workshops at the University of Waterloo

Terminal Committee, CS Club – University of Waterloo   June 2017 – Present
- Build, fix and maintain CS Club's office linux terminals