Pranav Rajiv

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OBJECTIVE

To obtain an entry-level position as a computer software developer.

EDUCATION

UNIVERSITY OF WISCONSIN MADISON

BS in Computer Science
August 2016 - May 2018 | Madison, WI

UNIVERSITY OF ILLINOIS AT CHICAGO

BS in Computer Science
August 2014 - May2016 | Chicago, IL
Transferred

LINKS

Github:// **pranavrajiv**
LinkedIn:// **pranavrajiv**

COURSE PLAN

UNDERGRADUATE

Introduction to Optimization
Database Management Systems
Compilers
Artificial Intelligence
Introduction to Operating Systems
Introduction to Algorithms
Programming Practicum
Programming Design2
Software Development

SKILLS

PROGRAMMING

• Java• Python •Swift • JavaScript
• C•C++• Node.js • CSS • PHP•Shell
Familiar:
VB.Net • C Sharp • GAMS • Assembly

DATABASES

• MySQL •SQLITE3 •Firebase

SOFTWARE TOOLS:

•Xcode• WAMP •WordPress•Windows Server Manager •Git•Graphviz•Uppaal •Postman •IBM BLUEMIX

EXPERIENCE

IONIC FRAMEWORK Software Developer Intern

July 2017- Sept 2017 | Madison, Wi

- Created a Sphinx extension which autodocs nested classes in a SQLAlchemy model.
- Documented, presented and demoed new existing features and improvements.
- Gained exposure to agile and software life-development cycles.

COLLEGE OF PSYCHIATRY, UW MADISON IT Support

Sept 2016- July 2017| Madison, Wi

- Web Development, Active Directory and Database maintenance.
- Created a mesh network for improving network traffic efficiency.

RESEARCH

HUMAN COMPUTER INTERACTION LAB, UW MADISON

Undergraduate Research Assistant July 2017 – Jan 2018

- Created a simulator in Java for testing chat-bot designs flaws using state, path and transition coverage.
- Build Chat-bots in IBM Watson Conversation.
- Automate Finite Transition System generations from JSON files.

PROJECTS

DESERT OBJECT RECOGNITION AND AVOIDANCE Dec 2017

- Used TensorFlow for rock and obstacle detection from a xbox kinect feed which the UW Robotics navigation team used for the rover competition.
- Tools and Technology: PyCharm, Github,OpenCV, Tensorflow,PyQt and Python.
- Development methodology: Agile

SMART HOME (IOT) Sept 2017

- Controlled room lights using post requests to a node server running on a raspberry pi. Currently trying to implement voice recognition.

EASY CONVERTER IOS APP May 2018

- Made an IOS application using Swift and Xcode that allows users to choose among the basic units of measurement and once choosen, lets you convert between different forms of that mesurement.

FINITE TRANSITION SYSTEM GENERATOR June 2017

- Created a parser that converts an IBM Watson conversation JSON file into a DOT file, which generates a transition system to predict the dialog flow in a human-computer interaction.
- Tools and Technology:Eclipse,Uppaal, IBM conversation API and Java
- Development methodology: TDD

KEY TRACKER (COLLEGE OF ENGINEERING, UIC) Dec 2015

- A web application that can perform CRUD operations on employee records and authorize building accesses based on employee identification number.
- Tools and Technology: Dreamweaver, HTML, CSS, Javascript,PHP and Mysql
- Development methodology: Agile