

Pranav Rajiv

<https://pranavrajiv.github.io/pranavWeb/>
pranavrajiv123@gmail.com | 312.478.1133

OBJECTIVE

To obtain an entry-level position as a Computer Software Developer

EDUCATION

UNIVERSITY OF WISCONSIN MADISON

BS IN COMPUTER SCIENCE
Expected May 2018 | Madison, WI

UNIVERSITY OF ILLINOIS AT CHICAGO

BS IN COMPUTER SCIENCE
August 2014 - May 2016 | Chicago, IL
Transferred

LINKS

Github:// [pranavrajiv](#)
LinkedIn:// [pranav-rajiv](#)

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

DATABASES

• MySQL • SQLITE3 • Firebase

SOFTWARE TOOLS:

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

EXPERIENCE

IONIC FRAMEWORK SOFTWARE DEVELOPER INTERN

July 2017- Sept 2017 | Madison, WI

- Create a Sphinx extension which autodocs nested classes in a SQLAlchemy model.
- Document, present and demo new existing features and improvements.
- Gain 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 – Present | Madison, WI

- Create 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 an xbox kinect feed which the UW Robotics navigation team used for the rover competition.

SMART HOME (IOT) Sept 2017

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

PYTHON SUDOKU SOLVER July 2017

- Solves Sudoku Puzzles using AI backtracking algorithm. Used Heuristics to improve speed and performance.

FINITE TRANSITION SYSTEM GENERATOR June 2017

- Used IBM Watson's conversation JSON file to create Transition System as a DOT file in Java.
- Use the transition system to predict the dialog flow in the Watson conversation API.

KEY TRACKER (COLLEGE OF ENGINEERING, UIC) Dec 2015

- Created a user interface where the key authorizers can perform CRUD operations on employee records and authorize building accesses based on employee identification number.
- The web application functioned through multi-table queries and interfacing PHP with MySQL.