

Mehdi Hajikhani

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<https://mhaji007.github.io/MyPortfolio> | <https://github.com/mhaji007> | <https://www.linkedin.com/in/mehdi-hajikhani>

EDUCATION

Florida International University

Bachelor of Science in Computer Science, Degree Awarded: Spring 2019

Relevant Courses: Data Structures, Computer organizations, Algorithms, Paradigms of Computation (Functional Programming, Automata Theory, Concurrency Programming, OOP Design)

Tehran Azad University

Bachelor of Science in Petroleum Engineering, Degree Awarded: Fall 2015

SKILLS

Development Tools: Eclipse, NetBeans, Sublime Text, PyCharm, Sketch, Jira

Programming Languages: React JS, Node JS, JavaScript, HTML, CSS, Java, Python, C, SQL, MongoDB

Operating Systems: Windows, Android OS

Languages: English, Farsi, Turkish (Basic)

RELEVANT EXPERIENCE

SmartsAid, *Software Developer*

May 2018 - Present

Application Development

- Designed, built and implemented engaging, interactive, application prototypes for SmartsAid
- Participated in code reviews to improve code reliability and created documentation of unit test results
- Familiarized myself with product development lifecycle and worked with quality team to make continuous improvements

Consultation

- Organized meetings with clients to gain insight on specific application requirements, goals, needs, and business objectives
- Applied knowledge of engineering project principles to meet difficult deadlines with limited resources which helped the startup save \$10,000
- Collaborated with team members to troubleshoot existing network infrastructure using known methodologies for network efficiency
- Contributed to the improvement process-based tasks by suggesting key service upgrade models leading to %10 higher customer satisfaction ratings in trial phase

UI Design

- Developed user interface for internal and external applications to improve usability and productivity during technical implementation
- Collaborated with multiple teams including product management, software engineering, graphic design, and marketing
- Utilized knowledge of UI Design to create UI concepts based on high-level requirements, wireframes, high-fidelity prototypes, and conduct end-user research.

TECHNICAL PROJECTS

Python-OpenFlow

Fall 2019

- Applied knowledge of python to create a low-level library to parse and create openFlow messages
- Implemented high performance features that allow users to integrate their own controller and library to communicate with a switch

Inquire (Google search-engine clone)

Fall 2019

- Implemented a search engine using HTML, JavaScript, and PHP that mimics the functionality of Google's search engine

SmartsAid App

Spring 2018

- Transitioned the app through stages of design flow from inception to implementation
- Transformed low level wireframes and mockups to a high-fidelity interactive prototype
- Implemented the frontend using React JS

Network Programming

Summer 2018

- Created multi-threaded chat application using Tkinter and Pygame packages in Python

HONORS & ACTIVITIES

Online Coding

The Complete 2020 Web Development Bootcamp | Java Puzzles to Eliminate Code | Java in Depth: Become a Complete Java Engineer | Unix for Beginners | C Programming for Beginners | Python Network Programming | Get Started with Cloud Computing | Complete Wireshark Course: From Beginner to Advanced | Git Essentials: learn Git with Bitbucket and Sourcetree | Complete SQL Mastery | Python Programming for Developers | Object-oriented Programming in JavaScript | Robotic Process Automation with UiPath

Publications

- SmartsAid App on Google App Store: <https://play.google.com/store/apps/details?id=com.mehdi.smartsaid>
- python-openflow v 1.3 (a low-level library to parse and create OpenFlow messages): <https://github.com/mhaji007/python-openflow>
- Inquire: <https://github.com/mhaji007/SearchEngine>
- "Survey of Interpretation of External Quality Assessment (EQA) in Developing Countries: (Eucharem 8th Workshop Proficiency Testing in Analytical Chemistry, Microbiology and Laboratory Medicine; p.92; Poster 55)