Habibuddin Ahmadi

Full-Stack Developer | **habkavaah@gmail.com**

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Education

Stony Brook University, New York — *Bachelor of Science, Computer Science*

September 2016 - May 2020

Computer Vision, Artificial Intelligence, Robotics, Data Structures (Java), Principles of Database, Computer Systems (C), Computer Networks, Web Programming, Analysis of Algorithms, Operating System

Experience

Floramax, Virginia — *Full-Stack Developer*

December 2020 - Present

- Upgraded and launched a fully integrated web application using C#, ASP.Net MVC, Javascript, HTML5, CSS3, VSCode
- Created a Search Engine Optimization campaign that increased website traffic by 80 percent
- Streamlined cross-department workflow by building a standardized system to integrate e-commerce websites with retail stores, wholesale department POS/POR systems, and accounting department
- Increased the accuracy and reduced product loss by conducting requirement analysis, design, and implementation of an API to manage inventory and warehouse receiving
- Built user interface compatible with mobile barcode scanners by utilizing agile software development methodology combined with Django REST Framework, Python, Bootstrap, HTML5, CSS3, VSCode
- Reduced data processing time by 50 percent, by developing automation software using Python, Pandas, and ReportLab, VSCode

Stony Brook University, Korea — *Information Technology Assistant (work-study)*

March 2018 - July 2019

- Assembled, and maintained a server system, transferred an entire department's database in 6 hours, as well as performed a thorough inspection to ensure compliance with safety regulations
- Coordinated the installation and configuration of more than 50 access points, routers, and workstations with a focus on the security of the staff and students
- Diagnosed problematic computer hardware, software, printers, and E-stations in less than an hour of work-order ticket creation

POSTECH LLC & Stony Brook University, Korea —NLP/ML Researcher (part-time)

September 2018 - April 2019

- Built morpheme analysis modules using the two best Natural Language Processors (SyntaxNet and Stanford POSTagger) using TensorFlow, Linux, Python, OpenCV
- Extracted 8000 data points from patent documents that included tagging of each phrase, and creating testing as well as training datasets
- Examined the accuracy of SyntaxNet vs POSTagger using 8000 data points of patent documents by developing a noun extraction module

Olympic Channel (OBS), Spain —Eng/Production Assistant

January 2018 -March 2018

- Coordinated four trips across South Korea to film documentaries about athletes which included researching locations, collecting consent from organizations and individuals involved in filming, and maintaining an efficient team by effective communication
- Resolved engineering problems by collecting and analyzing information; researching, adapting, and modifying equipment; recommending solutions; evaluating components, materials, and suppliers

Genesem Inc, Korea —Software Engineer Intern

January 2017 -October 2017

- Implemented a data synchronization and storage management system to facilitate inventory management using Java, Spring Framework, SQL, HTML5, CSS, Ajax, and IntelliJ
- Analyzed and programmed ten necessary Relational Database tables to efficiently store and retrieve data
- Collaborated with senior developers on the development of two protocols to ensure the overall compatibility of the system

Projects

License Plate Remover— *Personal Project*

- Developed a web application using a convolutional neural network to remove license plates from video clips and photos.
- Collected, categorized, and labeled more than 4500 data points as well as creating and training a neural network

PRtracker— *Personal Project*

- Designed and produced Full Stack Mobile application for managing workout routines and keeping track of Personal Bests based on volume and intensity; utilized React Native for front end, Java, and Spring framework for backend combined with Ajax

Skills

- Java, Python, JavaScript, ReactJS, SQL, MySQL, HTML, CSS, JSON, XML, Spring MVC, Spring Boot, Django framework, Django REST framework, data-structure, Agile development, Object-Oriented Programming, Dynamic Programming

- C, Common Lisp, SML, MIPS, PHP, React Native, JQuery, Hibernate, JDBC, Bootstrap, Maven, Git, application architecture, UI/UX design pattern, test-driven development

- TensorFlow, Yolov3, PyTorch, OpenCV, SyntaxNet, POS-Tagger

- VSCode, IntelliJ

Awards

- SUNY Korea Global Co-prosperity Scholarship – merit-based full-tuition scholarship
- President of Stony Brook University Botany Club
- Member of Incheon Business Information Techno Park (IBITP) 2018 Global Startup Campus Business Idea Camp

Languages

English, Persian, Pashto, Urdu, Hindi, and Korean