

SHEHZAD NOOR TAUS PRIYO

SOFTWARE ENGINEER, STUDENT & INVENTOR

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INVENTIONS

3D OBJECT LOCALIZATION FOR OBSTACLE AVOIDANCE USING ONE-SHOT CONVOLUTIONAL NEURAL NETWORK

IBM, Filed March 26, 2018
Patent Pending - US 15935195



EDUCATION

THE UNIVERSITY OF BRITISH COLUMBIA

Vancouver, Canada, 2015-2019
BSc - Computer Science



WORK EXPERIENCE

NVIDIA Santa Clara, CA, US

Deep Learning Software Engineer, Sep 2017 - present

- Worked as part of the Deep Learning & Intelligent Video Analytics team focused on the NVIDIA AI City project
- Developed and trained deep neural networks and other computer vision solutions for NVIDIA DeepStream / NVIDIA Metropolis

IBM Toronto, ON, Canada

Machine Learning Developer, Jan 2017 - Aug 2017

- Developed deep learning based 3D object localization system for obstacle avoidance (patent pending)
- Developed and trained deep neural networks for object detection/classification on images, face recognition, object segmentation, etc. under IBM Watson IoT practice

PICATIC Vancouver, BC, Canada

Full Stack Developer, May 2016 - Aug 2016

- Developed the back end REST JSONAPI using Golang
- Developed the website using Coffeescript and AngularJS
- Improved the mobile app using Appgyver and AngularJS
- Built the embedable checkout widget
- Wrote the developer documentation for the public API

THE UNIVERSITY OF BRITISH COLUMBIA Vancouver, BC, Canada

Research Assistant, Nov 2015 - Apr 2016

- Worked on the R&D of Texada
- Built a new web app for Texada from scratch using AngularJS: <http://bestchai.bitbucket.org/texada/>
- Wrote both end-to-end and unit tests for the AngularJS app
- Improved the core Texada tool using C++ and studied the mining algorithms used

MICROSOFT Dhaka, Bangladesh

Developer Intern, Jun 2015 - Jul 2015

- Worked on a Windows application that syncs local folders with the Microsoft Azure Cloud using C#
- Helped promote and teach Microsoft's dev and cloud technologies, particularly Microsoft Azure



PLATFORMS AND FRAMEWORKS

Caffe & Tensorflow	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
OpenCV, NumPy & SciPy	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
React & React Native	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
AngularJS & SailsJS	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
scikit Learn	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○



PROGRAMMING LANGUAGES

Python	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
JavaScript & Golang	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
C/C++, Java & PHP	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
SQL	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
R & Ruby	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○	○



AWARDS

INTERNATIONAL LEADER OF TOMORROW (ILOT)

Vancouver, BC, Canada, 2015

A full ride scholarship, worth around \$200,000, awarded by The University of British Columbia to around 25 students each year

DEAN'S HONOUR LIST

Vancouver, BC, Canada, 2015-16, 2016-17

An academic distinction awarded by UBC to students across different faculties to recognize their strong performance and commitment to academics

IBM EPIC STUDENT OF THE TERM

Toronto, ON, Canada, Summer 2017

A recognition awarded by IBM Canada to reward outstanding performance and innovation by its student employees. Among IBM Canada's 585 student employees in summer 2017, only 5 received this award.



PERSONAL PROJECTS

INCOGMITO

Co-founder, Apr 2014 - Apr 2015

- Co-founded Incogmito, an anonymous social networking application synced with Facebook
- Ran the company as CEO, raised angel investment and led the team to the finals of Bangladesh Startup Cup 2014-15
- Developed the back end from scratch using PHP
- Developed the prototype mobile app using Cordova

EDURETO

Mar 2012 - Aug 2013

Edureto was a social Learning Management System (LMS) built using a custom MVC framework on PHP and Bootstrap with jQuery.