



Honson Tran

AI & Computer Vision

I'll keep it short and sweet. I'm here to create impact. I'm here for change. I'm here to chip at the slate of history.



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EDUCATION

Computer Science, B.S Rutgers University

09/2015 - 12/2020

Machine Learning & Deep Learning Specialization

Coursera, Andrew Ng

10/2018 - Present

Pytorch Nanodegree Udacity

11/2018 - Present

TECHNICAL

Programming & Databases

C/C++, Java, JavaScript, Angular, RxJS, Node.js, R, MATLAB, HTML/CSS, SQL, Firebase/FireStore

AI & Machine Learning

OpenCV, TensorFlow, Pytorch, Python

IDEs

Android Studio, XCode, Unreal Engine

Hardware

Arduino, Raspberry Pi

WORK EXPERIENCE

Computer Vision & AI Research Intern BMW Manufacturing Corporation, LLC

08/2018 - Present

Spartanburg, SC

- Designing versatile text recognition algorithm in OpenCV to update truck IDs/inventory located at the truck yard, containing 1400+ manufactured vehicles for daily export.
- Autonomizing the need for employees to walk through the entire truck yard to check for truck IDs/inventory, ultimately reducing a full shift of work to a 20 minute drive around the lot.
- Responsible for initial research, error analysis of text recognition model, training of data sets, and hardware deployment.
- In the process of generalizing the model to apply to other text spotting applications on the assembly line.

Lead Software Engineer & Technical Advisor NLC Support, LLC

02/2018 - Present

Piscataway, NJ

A top-leading Support Agency that provides services to people with disabilities.

- Successfully pitched and launched a brand new employee database in Angular from scratch to improve efficiency of 30+ staff members to document and exchange information regarding clients.
- efficiency company website, implemented admin dashboard, and designed an employee website-login for resources.
- Responsible for all technical training and consulting for incoming and current employees.
- Technology implementations increased valuation of company to \$500k, projected for \$3 million by end of 2019.

Founder IonX Technologies

05/2008 - Present

Egg Harbor Twp., NJ

Local computer/mobile repair, web design, and freelance development business.

- Launched in South Jersey to meet the demand of cheaper electronics repairs.
- Serviced and consulted over 500+ customers & electronics.
- Expanded skillsets to offer web & mobile development and technical consultations for companies.

Help Desk Consultant Rutgers Office of Information Technology

04/2016 - 10/2016

Piscataway, NJ

- Troubleshoot and provide customer service to entire student body & faculty.
- Provided internet setup support for all students moving into on-campus housing.
- Addressed walk-in students & faculty with laptop or desktop issues.

PERSONAL PROJECTS

NLC Records: Backend Database (04/2018 - 08/2018)

- Programmed & designed a backend issue reporting system in Angular from scratch to pitch & sell to NLC Support., LLC.
- Improved efficiency of staff size of 30+ members by eliminating clutter of paper and excessive exchange of emails.
- Database was responsible for real-time updating using RxJS to eliminate latency of communication between staff members.

DIY 3D Printer: Anet A8 (12/2016 - 02/2018)

- Built and modified printer with upgraded electrical components to increase stability.
- Currently in development to design fume hood to print ABS.
- Modified and added peripherals to monitor and wireless print.

CONFERENCES

Supercomputing '18 (11/2018 – Present)

SC18 (Dallas, TX)

- ▣ High Performance Computing

GTC 2018 (03/2018)

NVIDIA (San Jose, CA)

- ▣ Artificial Intelligence Conference

Harvard Illuminate (10/2015)

Harvard University (Cambridge, MA)

- ▣ Entrepreneurship Conference

PERSONAL PROJECTS

Machine Learning: Prediction of Real Estate Prices using Linear Regression in C (10/2017)

- ▣ Developed program in C to receive training sets of real estate pricings.
- ▣ Recreated the linear regression model from scratch to fully understand concepts.

ACHIEVEMENTS

Udacity Student Leader: Motivator & Mentor/Tutor for Deep Learning Nanodegree (11/2019 – Present)

Selected as one of the few student leaders to ensure 10,000 students worldwide are understanding the material and driven to learn.

Facebook AI: Pytorch Scholarship Challenge Nanodegree (Udacity) (10/2018 – Present)

Scholarship award to 10,000 students worldwide to participate in the Deep Learning Nanodegree from Udacity tuition-free.

Harry Gessner Memorial Scholarship (08/2017)

Scholarship awarded to those who show commitment and passion to their work in the Computer Science & Engineering fields.

Featured Instructable: RetroPie Emulation on Raspberry Pi (04/2015) [🔗](#)

With over 460,000 views to date, this guide was written to help others get into DIY projects using the Raspberry Pi.