

# Honson Tran

## Computer Science & Electrical Computer Engineering

To spread my passion of technology through educating others, development & DIY Projects, and expand my own knowledge in Computer Engineering and Computer Science. To obtain a technical position in the Computer Engineering or Computer Science field with these skills.



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## TECHNICAL EXPERIENCE

### Founder

#### IonX Technologies

05/2008 – Present

Egg Harbor Twp., NJ

Local computer and & mobile repair business.

#### Achievements/Tasks

- Reverse Engineering/Internal Hardware Replacements
- Developed critical thinking and problem isolation skills
- Marketed & provided customer service

### Intern: Branch Manager

#### College Works Painting

12/2016 – 09/2017

One of the largest residential painting companies stationed at Irvine, CA. Internship provided entrepreneurial experience to run a business.

#### Achievements/Tasks

- Selected out of 10,000+ applicants in the nation
- Produced over \$50,000 in revenue
- Designed and Implemented marketing plan
- Hired, trained, and managed employees for production and payroll

Contact: David Franco – (480) 251-4820

### Help Desk Consultant

#### Rutgers Office of Information Technology

04/2016 – 10/2016

Piscataway, NJ

#### Achievements/Tasks

- Troubleshoot and Provided customer service to assist students and staff with technical issues.

## EDUCATION

### Computer Science & Electrical Computer Engineering

#### Rutgers University, New Brunswick

09/2015 – Present

New Brunswick, NJ

#### Courses

- Intro to Computer Science
- Computer Architecture
- Data Structures
- Systems Programming

### Online Open Courses

#### Udemy.com

05/2017 – Present

#### Courses

- Network Penetration and Security w/ Kali Linux (completed)
- COMPTIA A+ Certification (completed)
- Android Nougat Development w/ Java
- Unreal Engine 4 using C++
- iOS Development w/ Swift & Obj. C

## SKILLS

Arduino

Raspberry Pi

C.H.I.P.

Kali & Ubuntu Linux

MATLab

Maple

Video Editing

## PERSONAL PROJECTS

### DIY 3D Printer: Anet A8 (12/2016 – Present)

- 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

### IOT Smart Home, Smart Tank, and Smart Mirror (10/2017 – Present)

- Designing sensors to monitor environment for saltwater fish tank
- Designing air quality sensors and voice interactive features
- Designing Raspberry Pi operated touchscreen smart mirror
- Development Alexa Skill to have statuses report back and inform users

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

- Developed program in C to receive training data for machine learning
- Implemented matrix manipulation functions to store critical information for linear regression model

## ACHIEVEMENTS

### Harry Gessner Memorial Scholarship - \$7500 (08/2017 – Present)

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

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

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

## LANGUAGES

C ● ● ● ● ○

C++ ● ● ● ○ ○

Java ● ● ● ● ●

Javascript ● ● ● ● ●

## INTERESTS

AI & Deep Learning

Cybersecurity

CAD

OS Development

Electronics

3D Printing

Cryptomining

FPGA Development

Tech Writer/Blogger

Bowling

Gaming

DIY Electronics