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DAT THANH NGUYEN

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EMPLOYMENT

NSF Researcher	North Carolina A&T University	Summer 2016
<ul style="list-style-type: none">Improved the infrared image quality by applying Thermographic Signal Reconstruction.Implement the algorithm on MatLab to generate derivative images.Increased the processing time using Parallel Toolbox on MatLab.Constructed a 3D Model from 2D image to estimate defect areas.		
IT Support Analyst	Genomic Health Inc.	May 2014 – September 2015
<ul style="list-style-type: none">Perform hardware repair and maintenance.Assist users on technical issues and IT-related problems.Conduct research to find a better technology for the company.		
Lab Technician Assistant	CompTechS Program	January 2014 – May 2014
<ul style="list-style-type: none">Hardware & Software Installation and TroubleshootingRecycle old computers to donate for low-income students.		

EDUCATION

Cupertino, CA	De Anza College	Fall 2013 – Current
<ul style="list-style-type: none">Pursuing Computer and Engineering Bachelor Degree.Expect to transfer to a four-year university next Fall.Undergraduate Coursework: Data Structures (C++), Java Programming, Intro to UNIX/Linux, All Calculus series, Linear Algebra, Discrete Mathematic, Introduction to Auto Technology.		

TECHNICAL EXPERIENCE

Group Project:

- Grocery Inventory System (C++) – Completed**
 - Led a group of four people to create a complete inventory management software within three weeks.
 - Built all the data structures from scratch (Hash Tables, Binary Search Trees, Stacks, Queues).

Side Projects:

- Image Processor for Thermographic Non-Destructive Evaluation (MatLab). - Completed**
- Facial Recognition for Charity Organizations (C++, C) – In progress**
- Transform my Car Dash Control into Touch Screen Control (C++, C, Java, Android OS) - In progress**

ADDITIONAL EXPERIENCE AND AWARDS

- Private Math Tutor (2015 – 2016):** Helped freshman college students to understand Calculus.
- First Runner-Up, Video Contest (2013):** Awarded 2nd prize for National Video Contest by US Embassy in Vietnam.

Languages and Technologies

- Programming languages: C++; C; Java; MatLab; VB .NET
- Web Development: HTML, CSS, JavaScript, Bootstrap
- Tools: Visual Studio, Eclipse; Atom; MatLab.