



Hannie S. Ngo

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EDUCATION

University of Colorado Boulder
B.S: Computer Science
Major GPA: 3.66

Sep 2016 – Dec 2018

SKILLS

Languages: Familiarity [Java, Python] | Working Knowledge [MySQL, C++, R, HTML, AngularJS]
Tools: Familiarity [Spring MVC, .NET Entity] | Working Knowledge [Git, Linux, Eclipse, RESTful]
Related Courses: Algorithms, Data Structures, Software Development, Object Oriented Design, Machine Learning, Graphics, Database System, Operating Systems, Bioinformatics, Data Mining

ENGINEERING EXPERIENCE

Trimble Inc.

Aug 2017 - Present

Backend Developer | Senior Capstone Project

CU Boulder

- Build a web application evaluating the presence & quality of geo data within Open Street Map
- Build a convolutional neural network and use image segmentation to identify building footprints
- Integrate output to the web-app and create functionalities for admins to edit building footprints

Institute of Cognitive Science

June 2017 - Present

Research Apprentice

Boulder, CO

- Design, test, and evaluate printable 3D drone skyhook models as part of Engineering Experiences program to help bring STEM education to underrepresented communities
- Implement communication protocol and design interaction experience with Unity
- Define assignments, schedules, quality expectations, and other project criteria

University of Colorado Boulder

Jan 2017 – July 2017

Undergraduate Research Assistant

CU Boulder

- Annotated bio-geological nomenclatures, assisted implementation of Machine Learning techniques
- Performed routine logging and testing of samples, processed and organized data using a variety of word-processing libraries and software applications

TMA Solutions

May 2016 – Aug 2016

Web Developer

Vietnam

- Renovated the front/back end in .NET MVC/SQL to better fit E-commerce web functionalities
- Constructed a dashboard that was integral to the transaction services
- Refined specifications and business requirements, and created software documentations

LEADERSHIP

John V. Roach Honors Forum

Oct 2014 – May 2016

Webmaster & Board Member

Texas Christian University

- Managed and refined online forum which details information and events of the Honors College
- Hosted workshops, events, and guest speakers to embrace diversity in STEM field
- Mentored students with their assignments and provided weekly programming challenges

INTERESTS

- Portrait and Landscape Photography, Volunteering, Cooking