

EXPERIENCE AND ACTIVITIES

Software Engineering Intern	Cognex Company	May 2019-May 2020
<ul style="list-style-type: none">• Design and testing of image processing algorithms and machine vision systems• Decreased variability and improved performance of verifier products using C++• Added to automated testing framework for verifier products using C#		
Security Guard	Norlin Library	May 2018-August 2019
<ul style="list-style-type: none">• Ensuring the safety of patrons, the library, and its property• Customer Service		
Family Leader	Vietnamese Student Association	August 2017-Present
<ul style="list-style-type: none">• The Vietnamese Student Association at Boulder aims to preserve and promote Vietnamese culture by providing events and support for students to establish a common ground for cultural awareness• Activities include fundraising, volunteering, retreats, and cultural events		

EDUCATION

Boulder, CO	University of Colorado Boulder	August 2016-May 2020
<ul style="list-style-type: none">• B.S. Computer Science• Computer Science GPA: 3.45• Coursework: Algorithms, Data Structures, Linux System Admin., Computer Systems, Operating Systems, Artificial Intelligence, Data Mining, Principles of Programming Languages, Data Science, Calculus III		

PROJECTS

- <https://matthew-dinh.com>
- **Festo Blockchain Senior Capstone** (2019-2020)
 - Software licenses management using the ethereum blockchain technology as well as a design of a separate custom blockchain for Festo Company
 - *Solidity, Ansible, Raspberry Pi's, C, Raft*
- **Video Game Success Model** (2019)
 - Dataset analysis of Steam video games that uses various preprocessing techniques and a gradient boosted regressor to calculate future/present video game's success
 - *Python, Jupyter Notebooks, Markdown*
- **Imageination** (2019)
 - Website that outputs a caption containing descriptions of user submitted images. Uses Google's Tensorflow and MSCOCO dataset to create an attention based model to generate captions
 - *Tensorflow, Python, Javascript, HTML, CSS, Redis*
- **AxisAIO** (2018)
 - Bot that automates the purchase of items through Shopify websites
 - *NodeJS, Javascript, Electron, HTML, CSS, Postman*
- **Resource Library** (2017)
 - Crowdsourced website that provides and ranks resources for searched topics
 - *PHP, SQL, React, Laravel*

SKILLS

- Advanced: C++/C, C#, Python, Solidity
- Proficient: NodeJS, Javascript, HTML, CSS, Java
- Experience with agile methodology using Jira software
- Github, SVN proficiency
- Misc: GCP, AWS, Hadoop and Linux proficiency
- First-Aid, CPR, and AED BLS certified
- Beginning-Moderate Spanish, Beginning-Moderate Vietnamese