

Sinclair Hudson

1B Computer Science Student at the University of Waterloo

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PROJECTS

AJAX: Artificial Intelligence Voice Recognition

- Classified 18 words using a Google Tensorflow LSTM Classifier.
- Created a python script using pyaudio and Google Sheets API to automatically record and label data, creating a large dataset quickly.
- Complex manipulations of array data using NumPy.

Adding Software for ScoutTech Outfitters

- Proprietary software coded in Java, that takes product attributes and processes them into an excel spreadsheet that can easily be uploaded to a database.
- Increased speed of uploading products by 200%.
- Created intuitive and Simple GUI using Swing.

EXPERIENCES

Project Manager, ScoutTech Outfitters, Mississauga

Oct 2015 - Aug 2018

- Created Shopify Store, ScoutTech's current storefront.
- Automated invoicing from database information, decreasing order processing times by 25%.
- Created all advertising material for 2 years, helping establish the brand's style. Also designed the company's logo.
- Led store launches on Wish, Walmart, Jet, Pricefalls, Shop.com, Fruugo, Best Buy, and Newegg through Channeladvisor.

SHAD, University Of New Brunswick

Jul 2017

- Built a mock startup, Morph Foods, with 9 other SHADs to compete in the SHAD Entrepreneurship Cup.

President, 4th Clarkson Venturer Company

Jan 2017 - Jan 2018

- Chaired weekly meetings of 10-15 youth to plan events.
- Organized and led 5 weekend camps, including a lightweight backpacking trip and a canoe trip.

SKILLS & TRAITS

Avid learner & creator

Passionate & hard working

Always up for a challenge

LANGUAGES

Languages: Java (AP 5), Python, C, Arduino, HTML & CSS, Scheme, Node.js

Tools: Pycharm, Photoshop, Dreamweaver, IntelliJ, CLion, Ubuntu, Illustrator, Autodesk suite

Frameworks: OpenCV, Tensorflow, Pyaudio, NumPy, Swing, Google Sheets API

AWARDS & ACHIEVEMENTS

Governor General's Bronze Medal

Chief Scout's Award

University of Toronto Book Award

Bronze Cross and Standard First Aid

INTERESTS

Artificial Intelligence

Whitewater Canoeing

Rock Climbing

