

Mind of a software engineer, Heart of an entrepreneur and Soul of a creative. Successful hackathon competitor that is passionate about tackling tough challenges and bringing ideas come to life.

[www.amoldy.github.io](http://www.amoldy.github.io)

[www.linkedin.com/in/a-moldovan](https://www.linkedin.com/in/a-moldovan)

## PROFESIONAL SKILLS

Front End	Back End	Other	Project Management
Java Scrip	C++	Version Control	Adobe Suit
HTML5	Java	Git Flow	Sketch Design
HTML Semantics	Python	Pull Requests	
Bootstrap		SQL/SQLite	
CSS3		Agile	

## PROJECTS - <https://github.com/amoldy>

### Machine Learning – Feature Engineering Phishing Detection, Honours Project Present

Using Numpy and Scikit-learn in Python to build/train machine learning models in order to optimize phishing-email detection. Testing various features in email header and body with the goal of  $\geq 95\%$  detection rate.

### uOttHack Weekend, CmyBP - 1<sup>st</sup> Place Winner (<https://devpost.com/software/cmymhp-humam-alex-moldovan>) January 2019

Compute my Blood-Pressure (CmyBP) was our uOttHack winning idea, using MatLab and Python we were able to analyze a short video measuring the delay of blood being pumped from forehead to palm and predict blood pressure with  $\sim 80\%$  accuracy.

### SEG2105, Intro to Software Engineering, Group Project September 2018

Used Java & Android studio to create an on-demand Home Repair Services application for android devices. This platforms allows homeowners to connect to local service providers by requesting help with electrical, plumbing, gas and other related services.

### Simple Blockchain, Personal Project July 2018

Used Java to create a blockchain program that takes in a .txt file with transaction information, first it creates blocks and then validates the blockchain via hashes. Afterwards, the user can create new transactions and finally it prints the blockchain to a text file.

## OTHER PROFESIONAL WORK EXPERIENCE

### Children's Hospital of Eastern Ontario (CHEO) February 2012 – Present

#### Patient Service Clerk (NICU/PICU)

- Managed patient physicals files by processing documentation and medical orders.
- Experienced user in electronic documentation software such as Epic & Sunrise.
- Organizing and managed projects for the unit such as Healthy Babies Healthy Children (Public Health of Ontario) and New Born Hearing Program.

### Center of Entrepreneurship & Engineering Design (CEED) July 2018 – Present

#### Creative Marketing Lead

- Increased audience reach by total of 20% across all social media platforms in one semester by implementing creative video advertisements.
- Improved brand design by creating new logos/banners and updating brand content to showcase a uniform and familial environment among the products offered by CEED.

## Interests

Videography (<https://vimeo.com/studybreak>)

Volleyball

Carpentry

## Achievements

uOttHack – 1<sup>st</sup> Place 01/19

Startup Weekend – 2<sup>nd</sup> Place 11/17

E.I.C. – Runner Up 09/17

## EDUCATION

### University of Ottawa

Honours B.Sc. with Specialization in Computer Science and Minor in Statistics

September 2017-Present

- **Relevant Coursework:** Data Structures and Algorithms, Linear Algebra, Discrete Math, Probability Theory, Statistics, Software Design

Honours B.Sc. with Specialization in Genetics & Molecular Biology

September 2013-April 2017