

# COLLIN SMITH

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## EDUCATION

**Master of Science, Computer Science**  
[Northeastern University](#)    📅 09/2017 - 08/2019    GPA **3.45** / 4.0

**Ranger Leadership School**  
[US Army Schools Ft. Benning](#)    📅 2009

**Airborne School**  
[US Army Schools Ft. Benning](#)    📅 2007

**Bachelor of Science, Agribusiness**  
[Washington State University](#)    📅 1996 - 2000

## PROJECTS

**Machine Learning Classification & Regression**  
📅 2018    📍 Seattle, WA

- Used Sklearn tools L1 and L2 normalization, 1-hot encoding, and imputation to prepare 3 datasets
- Predicted the age of abalone with support vector machines and gradient boosting classification
- Performed weather prediction using Naïve-Bayes classifiers and gradient boosted classifiers

🔗 [https://github.com/Attonasi/mach\\_learning\\_midproj](https://github.com/Attonasi/mach_learning_midproj)

**OS Threading, Lock and Priority Donation Simulation**  
📅 2018    📍 Seattle, WA

- Simulated the locking, priority access and sleep functions of threads in an operating system using C
- Implemented virtual memory in the Pintos operating system and extended the filesystem using C

🔗 [https://github.com/Attonasi/threading\\_sim](https://github.com/Attonasi/threading_sim)

**Autonomous Vehicle Control System**  
📅 2018    📍 Seattle, WA

- Created autonomous vehicles using C++ and the ESP8266 SB Computer with Arduino framework
- Simulated a city with a large floor map and a Wifi network
- Built a program that controlled and directed vehicles using UDP communication protocol

🔗 <https://github.com/Attonasi/avcs>

**Book API, Book Web Service**  
📅 Date period    📍 Location

- Built a REST API for a book service using Flask for the endpoints and an SQLAlchemy database
- Developed front end for a book service Javascript/HTML/CSS
- Assisted in the design and development of front end using Angular

🔗 <https://bitbucket.org/msdteam2/msd-library-client/src/master/>

## TECHNOLOGIES

### Languages

C    C++    Python    Javascript

HTML    CSS    Java

### Tools/Libraries

Ulfius    Jansson    Flask    SQLAlchemy

Gson    Git Version Control    Sklearn

Tensorflow    Keras

### Systems

Windows    Ubuntu    Arduino    Pintos

Debian

## PASSIONS

❤️ Machine Learning

🚀 Space Exploration

🤖 Board Games

## MY TOP LEADERSHIP PRINCIPLES

### Ownership



### Think Big



### Deliver Results



### Learn and Be Curious



### Earn Trust



## EXPERIENCE

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### Founder, CEO

#### [Blewett Pass Farms](#)

📅 2013 - 2016    📍 Peshastin, WA

- Interviewed, hired and managed fifteen (15) full-time employees
- Designed, built and executed growing system from cloning to harvest
- Managed over a million dollar budget per year

### NCO Team Leader

#### [Washington National Guard](#)

📅 2011 - 2013    📍 Seattle, WA

- Managed field equipment
- Mentored and instructed privates
- Received a Fitness Excellence award

### NCO Team Leader, RSTA Operator

#### [US Army 2nd Battalion 75th Ranger Reg](#)

📅 2007 - 2011

📍 Ft. Lewis, WA

- 4 Deployments and participated in over 200 direction action combat missions
- Managed over 2 million dollars of sensitive equipment on deployment
- Key platoon leadership roles in target acquisition
- TS/SCI Clearance

## REFERENCES

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#### [Adrienne Slaughter](#)

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#### [Amy Lopes](#)

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