**Collin Smith**

11226 SE 189th Ct Renton WA 98055 • [smith.collin@husky.neu.edu](mailto:smith.collin@husky.neu.edu) • 425-736-5063

**Education**

Master of Science in Computer Science – ALIGN Program, Northeastern University Seattle, WA 2017-present

Expected Graduation December 2019

Ranger Leadership School US Army Ft. Benning GA 2009

Airborne School US Army Ft. Benning GA 2007

Bachelor of Science in Agribusiness, Washington State University 1996-2000

Associate of Applied Science in Botany/Tree Fruit Production, Wenatchee Valley College 1994-1996

**Technical Expertise**

Languages: C, C++, Python, Javascript, HTML, CSS, Java

Tools/Library: Ulfius, Jansson, Flask, SQLAlchemy, Gson, Git Version Control, Sklearn, Tensorflow

Systems: Windows, Ubuntu 16.04, Arduino, Pintos, Debian

**Experience**

[Machine learning Classification and Regression,](https://github.com/Attonasi/mach_learning_midproj)  Seattle, Wa November 2018

* Use Sklearn tools L1and L2 normalization,1 hot encoding, and imputation to prepare 3 datasets
* Used support vector machines, gradient boosting classification to predict the age of abalone.
* Used Naïve-Bayes classifiers and gradient boosted classifiers to predict whether it would rain in Australia
* Used Linear Regression and Gradient Boosting Regression to predict median housing prices

[OS Threading, Lock, and Priority Donation Simulation](https://github.com/Attonasi/threading_sim) Seattle, WA November 2018

* Used C to Simulate the locking, priority access and sleep functions of threads in an operating system.
* Previous project used C to read and ELF file and build an ELF\_Header structure.
* Currently using C to implement virtual memory in the Pintos operating system.

[Book API](https://bitbucket.org/msdteam2/msd-book-api/src/master/), [Book Web Service](https://bitbucket.org/msdteam2/msd-library-client/src/master/), Seattle, WA August 2018

* Built a REST API for a book service using Flask for the endpoints and SQLAlchemy to create a Postgre database
* Using Javascript/HTML/CSS built a front end for a book service using another team’s API
* Supported a team who used Angular to build a front end for our book service API.

[Tic Tac Toe,](https://github.com/Attonasi/tic_tac_toe) Northeastern University, Seattle, WA May 2017

* Used Ulfius library in C to create a REST server and Jansson library to facilitate JSON protocol
* The server took a request with a complete game state and returned a new game state. The computer never loses.
* Built the client in Java using HTTP and Gson libraries to send REST requests to the server.

Founder Blewett Pass Farms Peashstin, WA 2013-2016

* Managed 15 full time employees and additional 15 seasonal workers.

Designed and Created an Assault Ladder

* Extendable, bridges 12’ gap, solid wide steps for extended observations
* 4 patent claims

Washington National Guard 2011-2013

* Served in 2012 Unit Training in Yakima, WA
* Fitness Excellence award 2013

US Army 2007-2011

2nd Battalion 75th Ranger Regiment

* Multiple Deployments – Iraq (1 deployment), Afghanistan (3 deployments)
* Over 200 direct action missions
* TS/SCI clearance
* Team Leader and Special unit attachment on 3rd and 4th Deployments
* Signed for over 2 million dollars of equipment on 4th deployment

**Volunteer Work**

* Volunteer Soccer/Wrestling coach Cascade High School
* Taught Self Defense at Washington State University
* Helped Habitat for Humanity build 2 houses.

1. Passion for the mission
2. Bias for action
3. High standards
4. Deliver Results
5. Technically ambitious
6. Shows grit
7. Humility