**Collin Smith**

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**Education**

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

Expected Graduation Summer 2020

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 Knowledge**

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

Tools: Ulfius, Jansson, Flask, SQLAlchemy, Gson, Apache HTTP, Jquery, InteeliJ, Clion, WebStorm, Pycharm

Systems: Windows, Ubuntu 16.04, Arduino

**Academic Projects**

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

* Individual project. Use Sklearn to predict age, value, pollution levels, and weather with given data
* Used support vector machines, gradient boosting classification and regression, linear and logistic regression
* Used L1, L2 normalization and 1 hot encoding as well as imputation to prepare datasets
* Built data analysis tools using knowledge of OOD and functional design methods

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

* C with C++ tests.
* Simulated the locking, priority access and sleep functions of threads in an operating system.
* Follow on to the [ELF File Reader project.](https://github.com/Attonasi/elf_reader/tree/master/elf)

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

* Team Python/Postgre SQL API, Javascript/Html/CSS Web Application front end
* Our team built the API, then supported a second team while they built a front end service based on it.
* We built our Book web service based off another team’s API.

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

* Individual project. Built a Java REST client that allowed a player to play a computer.
* The computer was a REST server with 2 endpoints written in C and housed in a Docker instance.
* The game used stateless transfer and the server/computer never loses.

**Experience**

Founder Blewett Pass Farms 2013-2016

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

Created an Assault Ladder with patents

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 Deployment
* Signed for over 2 million dollars worth 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.