# Jovaun Jackson

## EDUCATION

**Oregon State University**
BS in Computer Science
Expected Grad. 2020
GPA: 4.0

**Northeastern University**
BS in Mechanical Engineering
Grad. Dec 2017
GPA: 3.86

## SKILLS

Languages (Proficient):
Python
Languages (Familiar):
C++, Javascript, Bash
Manufacturing:
3DP, Injection Molding, CNC
ME Software:
NX, SolidWorks, JMP, Ansys

## COURSEWORK

Algorithms (Online)
Discrete Structures
Computer Architecture
Control Systems
Linear Algebra

## AWARDS

NU Scholars (Merit, Full Tuition)
Hack UMass Top 8
Tau Beta Pi (Eng. Honor Society)

## LINKS

⌂ jovaunjackson.me
✉ jovaunjackson@gmail.com
⌂ github.com/XIIFulminata
in linkedin.com/in/jovaun-jackson

## EXPERIENCE

**Dropbox**                                    Nov 2018 – Present
Software Engineer Intern                      San Francisco, CA
- Develop and maintain software to combat abuse traffic
- Rigourously test functionality using python's unnittest module

**Apple**                                      Sep 2017 – Aug 2018
Product Design Intern                             Cupertino, CA
- Designed plastic and metal parts for mass production
- Performed failure analysis and trials to resolve design issues
- Analyzed data and created visualizations using Python, Pandas, Bash and JMP

**Instron**                                    July 2016 – Dec 2016
Mechanical Design Intern                            Norwood, MA
- Designed, analyzed, and assembled 38 custom fixtures to meet customer requirements in a fast-paced environment.
- Automated Engineering Change Order creation and form filling with JavaScript and Excel

**Whitford Research Group**                    June 2014 – Aug 2014
Undergraduate Researcher                             Boston, MA
- Scripted (shell, perl) to automate protein folding simulations
- Created data visualizations with GNUPlot and MATLAB
- Validated accuracy of simplified protein model in depicting large-scale dynamics
- Publication: Jackson, J.; Nguyen, K.; Whitford, P.C. Exploring the Balance between Folding and Functional Dynamics in Proteins and RNA. Int. J. Mol. Sci. 2015, 16, 6868-6889

## PROJECTS

**AFK Slayer**
A web app that projects how long it will take for a user to max out the Runescape slayer skill given the methods they choose to use.

**Automatic Cake Decorator (Hardware, Group)**
Built a cake decorator that could take an image and recreate a low resolution version of it by extruding icing shaped like rosettes.

**Wizard's Chess (Hardware, Group)**
Built a chessboard with an electromagnet that is moved under the surface by a motor and pulley system. This in turn moved the magnetic pieces we built allowing it to perform any legal move.