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)
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
linkedin.com/in/jovaun-jackson

PROJECTS

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

DailyScape
A web app that shows users how long it will take to max a character on Runescape using the most efficient methods given their stats.

Automatic Cake Decorator (Hardware, Group)
Built a cake decorator that could take an image and recreate it by extruding icing. A system of stepper motors and pulleys allowed the extruder to glide along a rail system, and get to each location.

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.

EXPERIENCE

Apple Sep 2017 – Aug 2018
Product Design Intern Cupertino, CA

- Design plastic and metal parts for mass production
- Perform failure analysis and trials to resolve design issues
- Analyze data and create visualizations using Python, Pandas, Bash and JMP

Whitford Research Group Jun 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