seanlutz@umass.edu

SEAN LUTZ

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EDUCATION

University of Massachusetts Amherst | *Sep 2015 - Dec 2018*

Bachelors of Science: *Computer Science and Mathematics - 3.4 GPA(major)*
Relevent Coursework-*Visual Analytics, Advanced Linear Algebra, Software Engineering, Functional Programming, Algorithms, Intro to Entrepreneurship*

SKILLS

Proficient with: *Python, Java*
Experience with: *Bash, Scala, SciPy, Bokeh, Spring Boot, SQL, C*
Misc: *Git, SVN, Windows, Linux, LaTeX.*

INDUSTRY

Liberty Mutual | *May 2017 - Aug 2017*

Software Engineering Intern

• Created web app to monitor multiple cross-environment applications using Java Spring Boot and Netflix Eureka, facilitating my teams transition to cloud based architecture
• Worked in an agile environment as a full team member, implementing software dev best practices such as test driven development, scalability, and thorough documentation

LEADERSHIP

Minutecode

Co-founder and Vice President

• Created student organization that connects teams of technical students with local non-profits to develop software solutions
• Building back-end system for Special Transport Services. Recruited and put together team, got requirements from client, started high level design.

Outing Club

Backcountry Trip Leader and Mentor

• Organize and lead groups of students into back-country environments, working to foster a safe, fun, and inclusive environment
• Train and mentor prospective club leaders in both hard and soft skills by creating and running a combination of workshops and field training

PROJECTS

Spotify Organizer

• Python program that automatically sorts and manages Spotify library.
• Creates a fixed-size FIFO queue for recent songs, archiving and sorting old songs into genre playlists, caching api calls for optimal performance

Automated Homework Tracker

• Python program that retrieves, parses, and sends an email with all existing online homework assignments for the next 7 days.
• Scrapes and parses the html of multiple password protected websites for due dates, uses cron to run daily on raspberry pi.

OTHER WORK

UNH Housing | *Summer 2015/2016*

Networked Systems Crew / Repair Crew

• Worked both independently and under direct supervision to repair dorm room furniture, install locks, and diagnose cable problems quickly, safely, and cost-effectively
• Used customer service skills in daily interactions with summer residents, as well as to coordinate and work concurrently with contractors, housekeepers, and with other team members.