

Brent Garey

Software Developer Internship

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Education

University of Massachusetts, Lowell — *Bachelors of Science - Computer Science*

June 2018 - Present

Relevant Coursework: Computing 1-4, Assembly Language Programming, Discrete Mathematics 1 & 2, Probability & Statistics, Calculus 1-3

Academic Projects

C++ - PS5 Markov Model of Natural Language: Predictive text generator that takes text input and stores the probabilities of subsequent letters following each string of size k in a map data structure that links an integer to each string to output a random yet accurate prediction of text that follows.

C++ - PS6 Kronos - Intro to Regular Expression: Reads in a .log file to evaluate whether a server started and shut down successfully. A RegEx was created to match a server start message, and when scanned in, must find a corresponding shut down message. When either RegEx condition was met, boost::datetime library was utilized in order to calculate the runtime of the server and report it to the user.

Experience

Methuen High School JROTC — *Cadet S-6 Technology Officer*

May 2016 - June 2018

- Maintain a website via wix.com server host.
- Manage all electronic presentations and ensuring briefs + pictures are stored in an easy-to-access harddrive.
- Troubleshoot any electronic/technological concerns that arise throughout the semester

Methuen Village Assisted Living & Memory Support, — *Dining Associate*

June 2018 - August 2019

- Preparing for service by splitting duties with the team to maximize time efficiency.
- Provide exceptional service to residents, especially since familiar residents visit up to thrice daily, it is important to be a memorable experience for dementia-prone residents.
- Manage multiple tables simultaneously while making each resident feel they are unique.

Awards

Congressional Nomination
for Westpoint cadet
application by Niki Tsongas

JROTC Staff Position as
Cadet Captain of Technology
S-6.

Skills

Object Orientated

Programming Languages:

C, C++

Operating Systems:

Windows, Ubuntu

Reliable communicator in a
team-based setting.

Ability to identify and suggest
possible courses of actions

Github

<https://github.com/kilpy/Computing>

