

28 Ravenna St
Milford, MA 01757

CREED J ALLEN

(508) 422-7276
creedallen@umass.edu
creedallen11.github.io/

EDUCATION

- | | | |
|---|--|--------------------------------|
| Amherst, MA | University of Massachusetts Amherst | Fall 2014- Fall 2016 |
| <ul style="list-style-type: none">• B.S. in Computer Science. GPA: 3.3; 3.5 in major.• Coursework: Software Engineering; Algorithms; Operating Systems; Machine Learning; Networks; Statistics; Multivariate Calculus; Artificial Intelligence; Data Science Algorithms. | | |
| Worcester, MA | Quinsigamond Community College | Fall 2012 – Spring 2014 |
| <ul style="list-style-type: none">• A.A. in Computer Science, May 2014. GPA: 3.68• Worked full-time while completing A.A. | | |

LANGUAGES AND TECHNOLOGIES

- Java; Javascript; Python; Scala; SQLite. Exposure to: Bash; MongoDB Android SDK; C and HTML/CSS design.
- GitHub Version Control; Agile & Waterfall dev; AWS EC2; Spark; Chrome Dev Tools; Sci-Kit Learn.

PROJECTS

- **eBay Auction Appraiser.** Appraises trading card collections posted on eBay by comparing text listing to sale prices in a database. Effectively filtered profitable eBay buys and decreased manual workload of a skilled buyer. Java, SQLite.
- **NFL Daily Fantasy Sports Lineup Generator.** Outputs solutions to a version of 0/1 knapsack using greedy algorithms and covariance to optimize for game format. Outputs consistently generated lineups rated w/ high similarity to top professionals' lineups; Javascript UI w/ Python logic.
- **QCC NetBeans Java Palette.** Plugin for NetBeans to aid intro programmers in learning Java syntax, primary focus being usability. Implemented version control w/group, worked with legacy code, documented software cycle. Our plugin is used at QCC for the intro Java course and maintained by current students.
- **Molecular Playground.** Group project for SE course. Designed MVC website to create 3D molecules for display w/Microsoft Kinect 360. Worked on database, Node back-end and lead document editing for functional/non-functional requirements, use cases, diagrams and help documents. Recommended for project manager role; Javascript, MongoDB.
- **No Limit Holdem Bot.** AI player for www.theaigames.com challenge that uses reinforcement learning and knowledge of poker hand equity vs. ranges of possible opponent hands to play holdem (hand evaluation equity tool created separately), uses Q-learning to improve play. OOP design; Python.

PREVIOUS WORK EXPERIENCE

- **Delivery & Temp IT (2011-2016):** Papa Gino's. While working as a delivery driver I increased the online visibility of our location by creating and managing business profiles for Google Maps, Yelp and Maps Connect boosting new delivery sales.
- Interest in IT lead to a temp shift at our location where I fixed bugs in our local PoS network, generated tickets for bugs in 3rd party software and conducted IT duties maintaining equipment.
- Recommended for role training managers in company technology by our regional manager.