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# CREED J ALLEN

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## EDUCATION

**Amherst, MA**                **University of Massachusetts Amherst**                **Fall 2014- Spring 2017**

- B.S. in Computer Science. GPA: 3.3; 3.5 in major.
- Coursework: Software Engineering; Databases; Algorithms; Data Science Algorithms; Operating Systems; Machine Learning; Networks; Statistics; Artificial Intelligence; Usability.

**Worcester, MA**                **Quinsigamond Community College**                **Spring 2013 – Spring 2014**

- 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; C, C# and HTML/CSS design.
- Git; Agile & Waterfall dev, TDD; AWS EC2; Spark; Intellij, Java EE, Play Framework.

## PROJECTS

- **Tip Tracker** - Delivery tip tracking web app that estimates hourly wage and work related expenses based on user profile and input. Helps users select best shifts for hourly based on supervised learning algorithm. Features graphics and custom statistics. Javascript, D3, MySQL.

- **Molecular Playground**. Team designed MVC site to create and display 3D molecules w/Microsoft Kinect 360. Lead document editor. Recommended for future project manager role. Javascript, HTML, CSS, MongoDB.

- **eBay Auction Appraiser.** Appraises trading card collections posted on eBay by comparing listing items to prices in a database. Sold application to an online retailer. Java, eBay SDK, Java DB.

- **Holdem Game Engine**. Back end for running a poker game with connected players. Evaluates, updates and distributes game state to players. Currently developing into a user-based web client using Java Play framework. OOP.

- **Local Search Engine**. Suite of tools that implement information retrieval processes including: crawler, preprocessing, ranking, querying and performance evaluation. Java.

- **QCC NetBeans Java Palette.** Plugin for NetBeans that aids intro programmers in learning Java syntax. Plugin is in use at QCC for the intro CS course and maintained by current students.

## PREVIOUS WORK EXPERIENCE

- **Peer Advisor (2013-2015)** Quinsigamond Community College:
  - Advised students in the CS program on coursework and transfer credit evaluation.
  - Recommended requirement changes to CS dept to help QCC students succeed at 4 year institutions. Our suggestions were later adopted into the program.
- **Delivery & Temp IT (2011-2016):** Papa Gino's:
  - While working as a delivery driver I increased the online visibility of our location by managing business profiles for map services, 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.