JASON DALE   244 COOK LN, MARLBOROUGH, MA 01752

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EDUCATION

University of Massachusetts Amherst | Class of 2015 | B.A Computer Science| B.A Economics

Coursework: Data Structures, Programming Methodology, Multivariate Calculus, Linear Algebra, Computer Systems Principles, Web Programming, Discrete Mathematics, Game Theory

EXTRACURRICULARS

INVESTMENT CLUB (SEPTEMBER 2013-PRESENT)

Compete against 30+ people, using $100,000 of virtual money to invest in a simulated stock market based on real-time market prices on Investopedia. Conduct market research to find worthy stock to apply investment techniques learned from weekly meetings.

CENTER FOR EDUCATION POLICY AND ADVOCACY (SEPTEMBER 2013-PRESENT)

Help organize campaigns focused around student access and affordability within the UMass System. Most recently designed flyers and chops for Advocacy Day where students from around the state lobby at the Boston State Capital building for lower tuition and tuition freeze.

EXPERIENCE

TEACHING ASSISTANT (SEPTEMBER 2014-PRESENT) **| COMPUTER SCIENCE DEPARTMENT** (AMHERST, MA)

Web programming course. Assist the professor in evaluating group projects, evaluating individual workshops, and answering student questions on Piazza. The course is centered around web application development, with a focus on JS, NodeJS and Express.

SUPERVISOR (SEPTEMBER 2012-PRESENT) **| BERKSHIRE HALL, UMASS DINING** (AMHERST, MA)

Delegate dish room tasks to student employees, making sure tasks get done efficiently so there is no backup during the busy times. Responsible for giving the student employees breaks, making sure inventory is at the appropriate levels around the dining hall, and assisting managers in any other way needed.

PROJECTS

COMPASS (JANUARY 2014-DECEMBER 2014)

Worked in a team to create a framework that universities can use to create a website which directs their students through tasks they need to accomplish before they return to school for their next semester, providing a streamlined experience for students, alleviating stress that comes with dealing with school.

CACHE SIMULATOR (MARCH 2014)

Constructed the cache data structures. Then read input from supplied trace files, extracting relevant information from the inputted memory addresses using bitwise operation. The LRU cache replacement algorithm was implemented to store most recently read trace details in the cache. Written in C.

UMASS COMPLETE (DECEMBER 2013)

An informational app for students at UMass Amherst. Information about the surrounding area, such as restaurants, delivery services, and nightlife as well as bus schedules, a campus map, and relevant UMass website links all aggregated into one android app. Written in Java, with use of XML, utilizing the Android SDK.

RANDOM MAP GENERATION (OCTOBER 2012)

Generated random land maps with user set percentages to determine how much of the map would be continents. Continents were labeled, and capitals were placed in the most central location. Maps were stored in a linked list and then iterated over, gathering info about continent density, size, and capital placement.

SKILLS

Languages

Java, Javascript, C, HTML/CSS, PHP, XML, JSON