Main Khan

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EDUCATION

Bachelor of Science in Computer Science
University of Massachusetts Amherst, Amherst, MA (May 2017)
Cumulative GPA: 3.44
Dean's List Spring 2016
Concentration in Security & Privacy

EXPERIENCE

Charles River Development   Summer 2016
Software Engineer Intern
- Built Apache Ant targets and a custom Java annotation to collect unit test metadata and present it in an HTML tabular report for all CRD scrum teams
- Analyzed and Optimized Junit test suite to both prevent any artifacts from being left in the SQL test database and decrease execution time
- Assisted in the development of OTC derivatives trading features for Charles River's Investment Management Solution in Java

IBM   Summer 2015
Software Engineer Intern
- Wrote GUI automation regression tests using Selenium to ensure product functionality and stability
- Worked in an Agile environment to accelerate the release of SmartCloud Notes for Internet Explorer standards mode from Q2 2016 to Q4 2015
- Collaborated with lead development and management in bug triage meetings to suggest fixes for defects

Isenberg School of Management   Spring 2015 - Present
Student Website Content Manager
- Managed and maintained content of new school website using Drupal CMS, while keeping up with user support tickets

Foldit   Summer 2014
Research Assistant
- Enhanced tutorial levels using C in science based protein folding video game
- Wrote and executed Bash scripts to process and send player data from Foldit database to science research centers

SKILLS

Highly skilled and proficient in: Java
Proficient in: Python, JavaScript, Bash, Objective-C, C, HTML/CSS
Software/Libraries/Tools: Selenium WebDriver, JUnit, UNIX, Eclipse, Git, Node.js

PROJECTS

All projects available at https:/github.com/mainkhan

Molecular Playground - Web application where users can upload 3D interactive molecules to a central repository
Bitcoin's Ruin - Monte Carlo simulation written in Python that validates the mathematical model of a double-spend attack on the Bitcoin P2P network
Anagrams - Java program that will return all anagram classes in a given dictionary or text file
KanyeBoard - iOS application that enables playback of famous quotes by rapper Kanye West