John Zajac

Computer Science Graduate (May 2019)

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EDUCATION

BS in Computer Science
• University of Illinois at Chicago
• Expected May 2019

Relevant Past CS Coursework:
• Computer Algorithms
• Secure Computer Systems
• Data Structures
• Advanced Computer Architecture
• Systems Programming
• Software Design
• Computer Design
• Programming Language Design and Implementation

Currently enrolled in:
• Artificial Intelligence I
• Database Systems
• Natural Language Processing
• Public Policy, Legal, and Ethical Issues in Computing, Privacy, and Security

AWARDS

Phi Theta Kappa Honor Society: 2018 – Present
Dean's List: Spring '18

SKILLS

Programming Languages: C, C++, Python, Java, Bash, MATLAB
Automation: Cucumber, Selenium, Selenide, Maven, Jenkins
QA: SQL, MySQL
Web Development: HTML, CSS, JavaScript
OS: macOS, Linux, Windows
Software: Xcode, Atom, Eclipse, PyCharm, IntelliJ, Brackets, GitHub, Git, Arduino, Processing, Wireshark

PROJECTS

Personal Website – www.johnzajac.me
• Constructed a site using www.hexo.io frameworks
• Enabled a Digital Ocean Droplet to host the site
• Installed the Debian 9 operating system on the Droplet
• Utilized the open-source NGINX web server on the Debian 9 OS
• Developed Bash script to deploy to server using Git to reflect changes

Networked Chat Room with RSA Encryption/Decryption
• Final project for 3rd year Software Design course
• Constructed a program where multiple users interact securely through a central console (chatroom)
• Designed mainly using the Java Swing, Socket, and ServerSocket classes for the GUI and networking portions
• Engineered a RSA algorithm to encode and decode messages securely

INTERNSHIP & WORK EXPERIENCE

QA Automation Intern • DigitalGlobe • May - Aug 2018 • Westminster, CO
• Produced a UI Test Harness using Java, Cucumber, Selenium, and Jenkins
• Administered instructions to the Geospatial Cloud Services team on the use of the test harness
• Devised a maintenance plan for the test harness
• Contributed in the Agile development process of the Geospatial Cloud Services team during sprints and regression testing
• Analyzed software for defects during sprints and prior to software releases

Teaching Assistant • UIC – Dept. of Computer Science • Aug 2017 - Present
• Taught students CS concepts and material learned from prior classes
• Co-instructed weekly lab sessions alongside graduate TA's
• Advised students during weekly office hours
• Answered questions by students in an online forum
• Graded assignments, labs, quizzes, and the alike

Office Aide • UIC – School of LCSL • Sept 2015 - Present
• Modified and formulated new content for the college's website through a ticketing request system
• Upgraded school's website to a new framework being used university-wide
• Arranged teaching material for professors and other academic faculty
• Provided technology related help to professors
• Assisted students and visitors with various questions and inquires