Conner Simmons

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EDUCATION

BS, Computer Science (ABET Accredited)
University of Scranton, Scranton, PA — May 2015, GPA: 3.73

MS, Software Engineering
University of Scranton, Scranton, PA — May 2016, GPA: 3.80

COMPUTER EXPERIENCE

Programming/Languages: Java, Swift, SQL, C#, Objective-C, Bash, PHP, Python, HTML, CSS, XML, JSON
Operating Systems: Windows XP/7/8, Macintosh OS X, Linux (Ubuntu, Red Hat)
Software/Tools: Eclipse, Xcode, Git, Terminal/PuTTY, PostgreSQL, MySQL, Android Studio, Slack, Lucidchart, Trello

COURSEWORK

- Computer Science I/II
- Data Structures and Algorithms
- Machine Organization and Assembly Language Programming
- Theoretical Foundations of Computer Science
- File Processing
- Computer Architecture
- Operating Systems
- Web Design and Development
- Discrete Mathematics
- Applied Probability and Mathematical Statistics
- Mobile Application Development
- Database Systems
- Mathematics for Software Engineering
- Introduction to Software Engineering
- Engineering of Software Systems
- Formal Methods and Models
- Requirements Analysis and Software Specification
- Software Project Management
- Principles and Application of Software Design
- Software Generation and Maintenance
- Project Analysis and Design

WORK EXPERIENCE

Software Engineer Intern, IBM; Poughkeepsie, NY   June 2015 - August 2015
- IBM z Systems Software Performance team member.
- Installed and performed benchmark testing of Apache Spark on Linux on z, as well as on an alternative platform.
- Developed scripts to expedite the full sweep of benchmark tests and aid in data collection.
- Conducted comparative analysis and performance result breakdowns of Apache Spark on Linux on z, as well as on an alternative platform, for LinuxCon 2015 presentation.
- Developed and submitted for multiple patents alongside a Master Inventor.

Graduate Teaching Assistant, University of Scranton; Scranton, PA   August 2014 - Present
- Teach five sections of Computer Literacy Labs to undergraduate students per semester.
- Compile preliminary grading of undergraduate Computer Science coursework for department professors.
- Hold office hours and attend open lab hours to aid students in course material comprehension.

Data Extraction Intern, Contractors Register, Inc.; Jefferson Valley, NY   May 2014 - December 2014
- Developed software to extract text from Non-OCR PDF files, saving both time and money in the process.
- Programmed Connotate web scraping Agents, often while crafting regular expressions to extract data, using Agent Studio.
- Verified proper operation and performed maintenance of existing Connotate Agents and published them to internal scraping server.

Range Attendant, Centennial Golf Club; Carmel, NY   March 2011 - May 2014 (Seasonal)
- Managed driving range setup and operation, kept range and cart areas clean, orderly, and safe, as well as managed all practice facilities and greens.
- Other positions included: Cart Barn Attendant, Ranger, and Starter.

PROJECTS

Thimble of Honey Blog   iOS Mobile Application
An RSS reader style mobile application dedicated to providing easy access to the Thimble of Honey food and lifestyle blog. The app provides favoriting and sharing features and is currently available on the Apple App Store.

BB-Mobile, Software Engineering Thesis Project   iOS/Android Mobile Application
A mobile application in development, in conjunction with Contractors Register, Inc., aimed to streamline the construction industry's bidding process and aid in communication among all parties involved. The app is connected to the nation's largest construction database and provides contact tagging and sorting, project creation and distribution, as well as email and phone communication.

AWARDS / HONORS

- Dean's List — Fall 2011, 2012, 2014; Spring 2012-2015
- Honor Societies — Alpha Lambda Delta, Eta Kappa Nu - Lambda Nu Chapter, Upsilon Pi Epsilon
- Association for Computing Machinery — University of Scranton Chapter: Member, Vice President