Crystal Conroy

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Education

University of Delaware   Newark, DE
Honors Bachelor of Science, College of Engineering   Expected Graduation December 2019
- Major: *Computer Science,* Minor: *Electrical and Computer Engineering*
- GPA: 3.68/4.0
- Dean's List: Fall 2016, Spring 2017, Fall 2017, Spring 2018, Fall 2018
- Relevant Coursework: Data Structures (C++), Algorithms (Python), Databases (SQL), Advanced Web Technologies (Angular, JavaScript), Computer Networks I (TCP/IP Protocols), Operating Systems (Unix, C)

Technical Skills

- Languages: Java, Python, C, C++, Typescript, SQL, JavaScript, SPARQL, VHDL
- Web Development: Angular, HTML, CSS, REST services, Node.js, Android Studio
- Software Development: Git, Eclipse, Agile Development
- Hardware Development: Arduino, Vivado
- Computer: Microsoft Word, PowerPoint, Excel, OneNote, Visio

Work Experience

W. L. Gore & Associates   Elkton, MD
Business & Information Systems Intern   *May 2018-Present*
- Developing web-based user interfaces for scientific simulations using Angular
- Working with Industrial Dry Filtration Team to develop user interface for a total cost of ownership tool
- Programmed an Arduino microcontroller in C for new wearable technology

University of Delaware   Newark, DE
Undergraduate Researcher   *October 2018-Present*
- Researching into a recommendation system for Infrastructure-as-a-Service cloud users that recommends VM instance configurations and auto-scaling groups
- Performing tests to measure elasticity performance on the Amazon Web Services cloud

Polaris Alpha   Aberdeen, MD
Intern   *February 2018-May 2018*
- Created and documented queries for retrieving information from databases using SPARQL
- Obtained government security clearance to work remotely for a defense contractor

Exelon Corporation   Newark, DE
Engineering Intern – Telecommunications and Network Engineering Department   *June 2017-August 2017*
- Put together and configured new network switches
- Created network drawings of substations and switches in Microsoft Visio

University of Delaware   Newark, DE
Computational Fellow   *September 2017-May 2018*
- Worked with teachers and librarians to teach full computer science lessons to students aged 7-13
- Provided data and feedback to graduate students as a part of their research into teaching students about technology
- Managed a team of three other computational fellows for teaching large weekend classes

University of Delaware   Newark, DE
Grader for Freshmen Computer Engineering Class (Introduction to Digital Systems)   *February 2018-May 2018*
- Provided solutions for homework problems
- Graded exams and homework problems

Activities

Gamma Sigma Sigma Sorority   Newark, DE
Treasurer   *May 2018-Ongoing*
- Managed budgets of executive board members
- Handled reimbursements for over 200 members, wrote checks, and made deposits
- Summarized semester budget in treasurer's report and paid dues to nationals
- Volunteered 25 hours a semester on several projects like Adopt-a-Highway, the soup kitchen, and at an animal shelter