P/W

Patrick Withams

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Notable Attributes

Natural problem solver and logical thinker

Passion for technology and computer science

Knowledge of MapReduce, Hadoop, Spark, Splunk and machine learning

Strong interest in software engineering

Experience with Atlassian developer tools, version control and Jenkins

Knowledge of Python, Java, C#, C++, C, x86, ARM7, and more

Industry experience in web development

Second place in Java programming competition

Additional degree in English Literature and Philosophy - exceptional written skills

Qualified for and participated in Google coding competitions

Active open source hobby programmer - over 33 GitHub repositories

Education

Current
University of Calgary, BSc Computer Science
GPA: 3.82
Expected Graduation: December 2019

Past
University of Glasgow, BA Philosophy and English Literature
GPA: 3.4 (equivalent)
Graduated Spring 2013

CPSC Courses

Intro to CPSC I: Python (A)	Information Security and Privacy (A)
Intro to CPSC II: Java (A+)	Design and Analysis of Algorithms 1 (B+)
Computer Machinery I (A+)	Large Scale Software Systems (A)
Computer Machinery II (A-)	Information Structures (A-)
Networks (A+)	Large Scale Analytics Systems and Big Data (A)
Network Security (A+)	Software Engineering Project (A+)
Theory of Computation (A)	Design and Analysis of Algorithms 1 (A-)
Database Systems (A+)	

Recent Work Experience

Pason Systems
Currently working as a software developer intern for a drilling technology company. My team uses R&D to improve the efficiency of system-wide testing.

Find it EZ Software
Worked on a software engineering project for this code base search engine software company through the University of Calgary. My team researched and developed a module in C# to provide additional support for SAP.

Deloitte
Worked for this professional services firm as a security analyst intern. I helped remediate a forensics lab, was involved in designing threat intelligence and analytics programs, and was exposed to phishing campaigns, forensic analysis, password cracking, and pentesting.

Helio Technology
Worked for this VR startup as a web developer and graphic designer. I helped create a service-ordering web application, and designed and implemented two websites. Helio Technology is now called ZeroKey.

G9 Consulting
Worked for this accounting company as a technical writer. I wrote applications for the Scientific Research and Experimental Development grant, and helped multiple companies receive over $1million in grant funds.

References available upon request