



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 and machine learning
Strong interest in software engineering
Experience with OSX, Linux and Windows
Knowledge of Java, Python, 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 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) Intro to CPSC II: Java (A+) Computer Machinery I (A+) Computer Machinery II (A-) Networks (A+) Network Security (A+) Theory of Computation (A) Database Systems (A+)	Information Security and Privacy (A) Design and Analysis of Algorithms 1 (B+) Large Scale Software Systems (A) Information Structures (A-) Large Scale Analytics Systems and Big Data (A) Software Engineering Project (A+) Design and Analysis of Algorithms 1 (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