Samantha Krieger

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WORK EXPERIENCE

Lifion Innovation Lab by ADP, Software Engineer *Fall 2015 – Present*
- NodeJS Platform engineer responsible for implementing and monitoring core microservices
- Formalized the performance analysis process by implementing load tests, instrumentation, and a research procedure
- Conducted performance analysis porting NodeJS to native C++, benchmarked endpoints, and analyzed service bottlenecks

Samsung Research America, Associate Software Engineer *Spring 2015*
- Developed a CMS for content curators end to end in Ruby on Rails using Active Admin.
- Involved in all phases of SDLC from requirements elicitation, to UI feature implementation using TDD.

University of British Columbia, Teaching Assistant *Summer 2014*
- Teaching Assistant for the intro computer systems course teaching basic C and assembly
- Hosted office hours, conducted tutorials, and marked exams for 200+ students

Morgan Stanley, Technology Summer Analyst *Summer 2013*
- Implemented a Java schema comparison application analyzing inconsistencies between databases and their respective ER models

EDUCATION, SCHOLARSHIPS & AWARDS

University of British Columbia
Graduated May 2015, BSc
Majored in Computer Science, GPA of 3.85

McGill University
BASc, September 2008 – January 2011
Honors Cognitive Science, Junior transfer

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Maria Klawe Endowment Award, *2015*
Rick Sample Internship Award, *2014*
UBC Service Award, *2013 & 2014*

UBC Go Global Award, *2013*
Golden Key Award, *2012*
Google Lime Scholarship, *2012*

PUBLICATIONS

S. Krieger, M. Allen, C. Rawn, *Are Females Disinclined to Tinker in Computer Science?*
Published in the 46th ACM Technical Symposium on Computer Science Education (SIGCSE 2015), March 2015.

COMPUTER SCIENCE EDUCATION & OUTREACH

- **Curriculum Engineer and Lead Instructor, Stem from Dance:** *Fall 2015*
- **Panelist, STEM Education and Advocacy, Google Scholars Retreat:** *Summer 2015*
- **Curriculum Development Co-Lead, Black Girls Code NYC:** *Spring – Fall 2015*
- **Community Volunteer, CSNYC:** *Spring 2015 – Present*
- **Access & Diversity Tutor for Students with Disabilities, UBC:** *2013 & 2014 Academic Yrs*