

Skill	Years Used	Last Used
Scala, Akka, Redis, MongoDB, Docker, AWS	3	2016
API integration, RESTful Microservices	5	2016
C, C++, Python, PHP	3	2016
Java, Oracle, SQL Server, MySQL	8	2013
Continuous Integration/Deploy (Git, Mercurial, Subversion)	5	2016
Agile (TDD, Scrum, XP, Unit Testing)	8	2016

## EMPLOYMENT

### 2016: Software Developer Hootsuite, Vancouver, BC

- Design and build internal social network APIs with YouTube and Facebook integration
- Deploy solutions using Jenkins, Docker in AWS VPC
- Interview, mentor, and train junior engineers
- Lead a learning group guild to help train fellow engineers in Distributed Systems using topical experiments with Raspberry Pis and networking concepts

### 2013-14: Undergraduate Teaching Assistant and Lab Manager UBC, Vancouver, BC

- Teach circuitry labs as an introduction to foundational Computer Science concepts for students coming from various disciplines in CPSC 121 Models of Computation
- Discuss and resolve instructional and interpersonal issues in weekly meetings
- Incorporate new learning goals for UBC's CPSC 304 Relational Database course by creating Data Warehousing tutorials and MySQL assignments used by students

### 2009-13: Programmer/Analyst (Java & Oracle) UBC Student Systems, Vancouver, BC

- Design and implement a student loan repayment system, working with major stakeholders to migrate from an external, manual payment process
- Revise architecture as part of the UBC Systems Renewal project in order to upgrade a legacy system that handles all of UBC's financial records and student data

### 2009: Developer (Java & Oracle) Central 1 Credit Union, Vancouver, BC

- Implement custom banking features dealing with credit card authorizations

# J O D I S P A C E K

www.jodispacek.com | jodi.spacek@gmail.com | 604.339.6647 | Vancouver, BC

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**2008: Database Developer (PHP & MySQL)** GFC, Vancouver, BC

**2007: Software Engineer (Java)** Elasticpath, Vancouver, BC

**2005: Developer (.Net)** University of Victoria, Victoria, BC

**2002: Developer (Java)** Skillsoft, Victoria, BC

## PROJECTS

**2014: Networking/Systems Student Researcher, UBC** [bitbucket.org/bestchai/shivector](https://bitbucket.org/bestchai/shivector)

- Contribute a Python version of ShiVector, a tool that instruments distributed logs with partial ordering information as a Directed Studies student under Dr. Ivan Beschastnikh

**2014: Computer Music Student Researcher, UBC** [bitbucket.org/jspacek/intelligentcomposer](https://bitbucket.org/jspacek/intelligentcomposer)

- Build a self-generating melodic composer in C++ based on statistical calculations and music counterpoint theory using networking techniques

## EDUCATION

**2018: Masters of Science in Computer Science**, UBC, Vancouver, BC

**2014: Bachelor of Computer Science** UBC, Vancouver, BC

**2001: Bachelor of Music (with distinction)** Mount Allison University, Sackville, NB

## INTERESTS

**2012-2016: Senior Industry/Academic Mentor**, UBC Tri-mentoring Program

**2015: Hour of Code, Volunteer, Presenter** Hootsuite, Vancouver, BC

**2014: GirlSmarts, Volunteer Activity Facilitator** UBC, Vancouver, BC

**2011-13: Laptop Orchestra Ensemble composer/performer** UBC, Vancouver, BC