



# RESEARCH AREAS | Computer Science

## Analytics, Big Data & Machine Learning

Alona Fyshe  
Daniel German  
Valerie King  
Hausi Müller  
Ulrike Stege  
Alex Thomo  
George Tzanetakis  
Sue Whitesides  
Kui Wu

## Computer Architecture

Nigel Horspool

## Embedded Systems

Mantis Cheng  
Michael Miller

## Graphics & Gaming

Andrea Tagliasacchi  
Brian Wyvill

## Human Computer Interaction & Visualization

Daniela Damian  
Margaret-Anne Storey  
Melanie Tory  
Brian Wyvill

## Internet of Things, Pervasive Computing & Context Awareness Self-Adaptive Systems

Mantis Cheng  
Yvonne Coady  
Sudhakar Ganti  
Hausi Müller  
Ulrike Stege  
Margaret-Anne Storey  
Alex Thomo

## Music Information Retrieval

George Tzanetakis

## Sensors, Wired & Wireless Networks

Sudhakar Ganti  
Daniel Hoffman  
Jianping Pan  
Kui Wu

## Security & Privacy

Bruce Kapron  
Valerie King  
Venkatesh Srinivasan  
Jens Weber

## Software & Systems Engineering

Yvonne Coady  
Daniela Damian  
Daniel German  
Daniel Hoffman  
Nigel Horspool  
Hausi Müller  
Margaret-Anne Storey  
Melanie Tory  
Jens Weber

## Theory, Algorithms & Combinatorics:

Valerie King  
Wendy Myrvold  
Frank Ruskey  
Venkatesh Srinivasan  
Ulrike Stege  
Sue Whitesides

## Virtualization and Cloud Computing, Mobile Computing & Green Computing

Yvonne Coady  
Sudhakar Ganti  
Nigel Horspool  
Hausi Müller  
Jianping Pan  
Kui Wu

## DEGREES OFFERED

### UNDERGRADUATE

- BSc Major
- Major Degree Options:  
Communications & Networks  
Computer Theory  
Graphics & Gaming  
Software Engineering
- BSc Honours
- Interdisciplinary Combined Degrees:  
Geography  
Health Informatics  
Math  
Music  
Physics  
Psychology  
Statistics  
Visual Arts
- Optional Co-op program

### GRADUATE PROGRAMS

- PhD
- Thesis MSc
- Project MSc
- Industrial MSc
- Interdisciplinary Studies
- Optional Co-op program

## DEPARTMENT STATISTICS | 2014/15

### Faculty

Regular Research Faculty 2014/15 | 29  
Regular Teaching Faculty 2014/15 | 3

| Students         | Graduated<br>2014/15 | Enrolled<br>2014/15 | Co-op<br>Placements |
|------------------|----------------------|---------------------|---------------------|
| BSc (4 yr pgm)   | 81                   | 543                 | 284                 |
| BSENG (5 yr pgm) | 25                   | 191                 | 259                 |
| MSc              | 25                   | 96                  | 66                  |
| PhD              | 7                    | 57                  | 13                  |

My degree program at UVic was one of the best periods of my life, and I am grateful for the experience and education which provided me the skills and experience necessary to work in this field. The Co-op experience was invaluable.

**Phil McLean**, Engineering Manager, INgrooves (BSc, 1996)

While I learned a lot during my undergrad, the Co-op program and the people I met at UVic helped to build my resumé and ultimately land my upcoming job.

**Garrett Owen**, Software Development Engineer, Microsoft (BSc, 2012)

## CO-OP EMPLOYERS (GRADUATE & UNDERGRADUATE) 2014 – 2015

- A Thinking Ape, Inc.
- AbeBooks
- ACD Systems Ltd
- Agrium Inc
- Alcatel-Lucent
- AmazonAutoNation.com
- AXYS Companies in Victoria
- BC Cancer Agency
- BC Ministry of Education
- BC Ministry of Social Development
- BlackBerry
- Broadcom Corporation
- Canadian Forest Products (Canfor)
- Carlson Wagonlit Travel
- Cerner Corporation
- CGI Group Inc.
- Change.org
- ChatterBlock Inc
- Civic Info BC
- CloudPractice Inc
- Codename Entertainment
- Communications Security Establishment (CSE)
- Computronix Canada Ltd.
- De Armond Management Ltd
- Demonware Inc
- DHC Software Co Ltd
- DJArts Games Inc
- DRBM Management Inc.
- Electronic Arts
- Environment Canada
- Ericsson
- Fast Enterprises LLC
- First Metropolitan Church
- Fisheries and Oceans Canada
- FreeRunning Technologies
- FTS Forest Technology Systems Ltd
- General Dynamics Canada Ltd
- GenoLogics Life Sciences Software Inc
- Giftbit
- Good Things Consignment
- Hatsize Learning Corporation
- Hewlett-Packard Ltd
- HootSuite Media Inc
- Husky Energy Inc
- IBM Canada Ltd
- iBoard Canada Manufacturing Inc.
- Incognito Software Inc
- Inlight Entertainment Inc
- Intel Corporation
- Intuitive Surgical Inc
- ISM Canada
- Isolation Network
- JEA
- Jimu Labs
- Latitude Geographics
- Limbic
- Loud Crow Interactive Inc
- Maximus Canada Inc.
- MB Network
- MediaCore

- Microsoft
- Mobidia, Inc.
- Nanalysis
- National Defence and the Canadian Armed Forces (DND)
- Natural Resources Canada
- Ocean Networks Canada
- Office of the Ombudsperson (Victoria)
- OSI Maritime Systems Ltd
- Pason Systems Corp.
- PDFTron Systems Inc
- Provincial Health Services Authority
- Red Brick Media
- Reliable Controls Corporation
- Relic Entertainment Inc.
- SAP Canada Inc
- Schneider Electric
- Semadic
- Sendwithus
- Shaw Communications Inc
- Siaras
- SKIO Music Inc
- Sony Pictures Imageworks
- TC-Helicon Vocal Technologies
- Teck Ltd
- Teradici Corporation
- Terapeak
- Tesla Motors Inc.
- Udutu Online Learning Solutions
- University of Victoria
- UrtheCast
- Virtual Piggy, Inc.
- White Ops Analytics Canada
- Zaber Technologies Inc.

### CONTACT INFORMATION

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Cover photo Daniel German

RESEARCH WITH REACH



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of Victoria  
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