

# Peter Colijn

University of Waterloo  
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Permanent Residence  
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- SKILLS**
- ◇ C, C++, Java and JavaScript programming
  - ◇ Linux/UNIX operation and maintenance
  - ◇ Scripting (python, ruby, bash, perl, awk, sed, etc.)
- WORK EXPERIENCE**
- ◇ **Software Engineer**, *X/Alphabet*, Mountain View CA (March 2012 to present)
    - Developed vector map storage and indexing solution for self-driving car maps
    - Implemented onboard software changes to improve operator efficiency
  - ◇ **Software Engineer**, *Google, Inc.*, Mountain View CA (October 2010 to February 2012)
    - Led Google Music store backend team
    - Designed and implemented music metadata storage, matching and ingestion system
    - Developed large-scale distributed transaction system on top of asynchronous, eventually-consistent storage
  - ◇ **Software Engineer**, *Google, Inc.*, Mountain View CA (June 2006 to Sept 2010)
    - Led Google Calendar backend team
    - Designed and implemented a fault-tolerant and scalable storage system replacement for Google Calendar
    - Scaled to hundreds of millions of users while dramatically improving latency and error rates
- EDUCATION**
- ◇ **University of Waterloo**, Waterloo, ON.
    - Bachelor of Mathematics in Computer Science, April 2006.
    - Notable courses:
      - Computer Graphics
      - Real-time Computing
      - Compilers
  - ◇ **Awards**
    - Dean's list for outstanding academic achievement in the School of Computer Science at the University of Waterloo.
    - René Descartes entrance scholarship to the University of Waterloo.
    - Alexander Rutherford graduation scholarship for academic achievement and leadership from Western Canada High School.
- INTERESTS AND ACTIVITIES**
- ◇ **Cycling**: over 22,000km per year; an avid cycle commuter.
  - ◇ **French**: completed higher-level International Baccalaureate French, enough for fluent conversation.
  - ◇ **Piano**: completed grade 8 Royal Conservatory piano.
- REFERENCES** Available upon request.