

# Noah Weninger

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## Education

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### University of Alberta

B.SC. HONORS IN COMPUTING SCIENCE

- Awarded Jason Lang scholarship in 2016.
- Awarded two academic excellence scholarships in 2014.
- Dean's Honor Roll in 2015 - 2016.
- 3.5 cumulative GPA, 4.0 in past year.

Edmonton, Alberta

Sep. 2014 - April 2019 (expected)

### Strathcona High School

AP PROGRAM

- Recieved honors award in 2011 - 2014.
- Awarded Rutherford scholarship in 2011 - 2014.

Edmonton, Alberta

Sep. 2011 - Jun. 2014

## Skills

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**Languages (sorted by proficiency)** Rust, C/C++, Python, Java, Go, Swift, GLSL, JavaScript, OCaml, Lisp, Haskell, Prolog, ...

**Domain specific knowledge** Algorithms, networking, audio/DSP, graphics, GPU, compilers and architecture knowledge.

**Operating systems** Experience working in a Unix environment.

## Work Experience

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### Compiler Optimization Developer Intern - OpenJ9 / JIT-as-a-Service

IBM CANADA

- Implemented a new architectural mode of operation for a commercial Java compiler.
- Performance analysis, optimization and debugging in C++.
- Collaborated with a team of over 90 people on multiple repositories of nearly 1 million lines of code.

Markham, Ontario

May. 2017 - Aug. 2018

### Research Assistant - Deep Learning for Ethnomusicology

UNIVERSITY OF ALBERTA

- Using deep learning for audio classification.
- Designing and implementing audio feature extraction techniques.

Edmonton, Alberta

May. 2016 - PRESENT

### Research Assistant - Hex/Games

UNIVERSITY OF ALBERTA

- Researching and writing software to play Hex and other board games.

Edmonton, Alberta

May. 2016 - PRESENT

### Climbing Gym Instructor

WILSON CLIMBING CENTRE, UNIVERSITY OF ALBERTA

- Teaching fundamental rock climbing skills.
- Setting climbing routes on an indoor wall.

Edmonton, Alberta

Jul. 2014 - May. 2017

### High School Internship Summer Research Program

UNIVERSITY OF ALBERTA

- Wrote software to scrape Wikipedia and Wiktionary for word pronunciation data.
- Created a graphical user interface to record human evaluations of pronunciation quality.

Edmonton, Alberta

Jul. 2012 - Sep. 2012

## Honors & Awards

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2017	<b>1st Place Team</b> , University of Alberta Programming Contest	<i>Edmonton, Alberta</i>
2016	<b>1st Place Team (advanced to world finals)</b> , Rocky Mountain Regional ACM Programming Contest	<i>Edmonton, Alberta</i>
2016	<b>3rd Place Team</b> , Alberta Collegiate Programming Contest	<i>Edmonton, Alberta</i>
2016	<b>1st Place Team</b> , Microsoft UAlberta Coding Competition	<i>Edmonton, Alberta</i>
2014	<b>1st Place</b> , Iverson Computing Science Exam	<i>Edmonton, Alberta</i>
2013	<b>4th Place</b> , JS1K Spring! JavaScript code golfing competition	<i>International</i>
2010	<b>4th Place</b> , JS1K Xmas JavaScript code golfing competition	<i>International</i>