

# Lucas Palmer

University of Waterloo | Academic Level: 4A  
Computer Science | Applied Math | Computational Math  
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## Skills

- Android, Java, C++, Python, HTML, CSS, JQuery.

## Work Experience

**Undergraduate Research Assistant, University of Waterloo** Sept - Dec 2016

- Used modern trends in Android programming to completely redesign the UI of an Android app that runs investment portfolio simulations.

**Software Developer, Toast Inc, Boston, MA** May - Aug 2016

- Fully developed a new Android display that summarizes orders to improve restaurant efficiency. Got 1284 views with an average view time of 41 seconds in first two weeks.
- Worked on a team of three to build the consumer-facing kiosk feature in the Android app, allowing customers to efficiently place and pay for orders themselves.
- When a customer was threatening to leave because cash drawers were taking up to 6 seconds to open, investigated and implemented a fix that reduced the time by 40x.

**Software Developer, BigRoad Inc, Waterloo, ON** Sept - Dec 2015

- Greatly expanded the Selenium and Appium automated testing suites in the early stages of the company's automated testing infrastructure.
- Implemented new behavior in aspects of the Android app to display additional information and prevent the app from recording redundant data.

**3D Software Developer, Side Effects Software Inc, Toronto, ON** May - Aug 2015

- Created a node to control world-level geometry objects using Python scripts.
- Took an old passive network tree and turned it into a useful scene management tool by allowing artists to select similar nodes in the geometry node hierarchy.

## Personal Projects

**Odyssey of the Mind World Finals, Iowa State University** May 2016

- Came 2<sup>nd</sup> place in the university division after writing and performing an 8-minute dramatic skit that linked the origins of the universe to the morals of Aesop's fables.

**Google Games, Google Waterloo Office** Apr 2016

- Came 2<sup>nd</sup> place in this trivia, coding, and problem solving competition.

## Hackathons

**Hack Holyoke, Mount Holyoke, MA** Nov 2016

- Built a web app using React JS and AWS S3 that lets users post and look up unique advice (team of two, Best AWS Hack Winner).

**Hack Penn State, Pennsylvania State University** Nov 2016

- Built a web app using React JS and 3 different APIs to help you use climate data to grow your own food at home (team of three, Food for Thought Prize Winner).

**Hack Ohio, Ohio State University** Nov 2016

- Used Mio arm band to build a motion and gesture activated drawing app (team of three).

**Hack Harvard, Harvard University** Oct 2016

- Built an Android app that allows you and your friends to set alarms and edit to-do lists on each other's phones via text message (solo project).

## Education

**Bachelor of Mathematics, University of Waterloo** Sept 2013 - Apr 2018

- Majoring in Computer Science, Applied Math, and Computational Math (97% average 3B).

## Scholarships and Awards

- President's Research Award, University of Waterloo Sept 2016
- Computational Math Scholarship, University of Waterloo Apr 2016
- Schulich Leader Scholarship, University of Waterloo Sept 2013 - Apr 2018
- Two-time Beach Volleyball National Champion Aug 2013 - Aug 2014