

# UNIVERSITY OF WATERLOO CO-OPERATIVE EDUCATION RECORD

PAUL RUSSELL ASHBOURNE  
20512339  
3B SOFTWARE ENGINEERING

WORK TERM		EVALUATION
SPRING 2016	<b>REMIND101</b> SAN FRANCISCO, CA, USA REMIND ENGINEERING - SOCIALCAPITAL FELLOW	OUTSTANDING
FALL 2015	<b>CONTEXTLOGIC WISH</b> SAN FRANCISCO, CA, USA SOFTWARE ENGINEERING	OUTSTANDING
FALL 2014	<b>CONTEXTLOGIC</b> SAN FRANCISCO, CA, USA SOFTWARE ENGINEERING	OUTSTANDING
WINTER 2014	<b>ES COMPUTER TRAINING ESCTT INC</b> NEWMARKET SOFTWARE ENGINEER	OUTSTANDING

# PAUL ASHBOURNE

3B Software Engineering, University of Waterloo  
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110 Orchard Heights Blvd.  
Aurora, ON, Canada  
L4G 2Z9

## SKILLS

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- |           |        |              |            |            |
|-----------|--------|--------------|------------|------------|
| • Python  | • C++  | • PHP        | • HTML+CSS | • RabbitMQ |
| • Node.js | • Ruby | • ReactJS    | • MongoDB  | • Redis    |
| • Java    | • Go   | • JavaScript | • SQL      | • Solr     |

## EXPERIENCE

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**Remind, Inc.** April 2016 – August 2016  
*Software Engineer, Social Capital Fellow*  
San Francisco, California  
Ruby, Go, Node.js, ReactJS, RabbitMQ, Redis

- Re-engineered a message delivery service which delivers over 500 million SMS and email notifications per month
- Built an extendible module for assembling and scheduling batch jobs
- Received “Outstanding” work term evaluation

**Wish** Fall 2014, Fall 2015  
*Software Engineer*  
San Francisco, California  
Python, MongoDB, Hadoop, HTML, CSS, JavaScript, Backbone.js, RabbitMQ, Solr

- Built a system to reduce shipping times by allowing merchants to store products in warehouses around the world
- Redesigned signup and onboarding flow from scratch, increased end-to-end conversion rate by 500%
- Developed a system to automate pre-orders of popular items, increased profit margins from 15% to 30%
- Received two “Outstanding” work term evaluations

**ESCTT, Inc.** July 2013 – April 2014  
*Software Engineer*  
Toronto, Ontario  
PHP, MySQL, .NET, HTML, CSS, JavaScript, Python, SQLAlchemy

- Built a financial analysis application, risk management software, and a health care database
- Received “Outstanding” work term evaluation

## PROJECTS

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- StoreStuff: On-demand self-storage app built for Berkeley’s CalHacks 2.0, awarded Microsoft API prize (Node.js)
- Built a compiler for the WLP4 programming language to MIPS assembly (C++, Assembly)
- Password Ninja: A password manager with Chrome Extension (JavaScript, Bootstrap)
- Video game development including Tetris and a cribbage game with sophisticated AI (Java, Python)

## EXTRACURRICULAR ACTIVITIES

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**Region of Waterloo International Airport** January 2016 – Present  
*Private Pilot Training Program*  
Waterloo, Ontario

**Robofest Robotics World Championship** 2010, 2012  
*Team Captain*  
Detroit, Michigan

- Placed 4<sup>th</sup> in the senior competition at the 2010 Robofest World Championship with a robot that cleared debris and rescued victims from a natural disaster simulation

**Aurora High School Student Council** June 2011 – June 2013  
*President*  
Aurora, Ontario

## EDUCATION

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**University of Waterloo** September 2013 – June 2018 (Expected)  
*Candidate for Bachelor of Software Engineering*  
Waterloo, Ontario  
85.4% Cumulative GPA

# UNIVERSITY OF WATERLOO

## UNOFFICIAL GRADE REPORT

**PAUL RUSSELL ASHBOURNE**  
**20512339**  
 3B SOFTWARE ENGINEERING

Winter 2017 PD 5 Project Management

Term Average: n/a

Decision:

Fall 2016	CS	343	Concurrent and Parallel Prog
Fall 2016	CS	348	Intro to Database Management
Fall 2016	CS	486	Intro Artificial Intelligence
Fall 2016	SE	302	Seminar
Fall 2016	SE	380	Intro to Feedback Control
Fall 2016	SE	390	Design Project Planning
Fall 2016	SE	464	Software Desgn & Architectures
Fall 2016	WKRPT	300	Work-term Report

Term Average: n/a

Decision:

Spring 2016	COOP	4	Co-operative Work Term	
Spring 2016	PD	10	Professional Resp in Computing	CR

Term Average: n/a

Decision:

Winter 2016	CS	341	Algorithms	78
Winter 2016	CS	349	User Interfaces	85
Winter 2016	SE	301	Seminar	
Winter 2016	SE	350	Operating Systems	84
Winter 2016	SE	465	Software Test & Quality Assur	85
Winter 2016	WKRPT	200	Work-term Report	75*

\* Degree Requirement, Not in Average

Term Average: 83

Decision: Excellent standing

Fall 2015	COOP	3	Co-operative Work Term	
Fall 2015	PD	7	Conflict Resolution	CR

Term Average: n/a

Decision:

Spring 2015	CS	240	Data Structures & Data Mgmt	75
Spring 2015	CS	247	Software Eng Principles	78
Spring 2015	MATH	213	Advanced Math for Software Eng	63
Spring 2015	MATH	239	Intro to Combinatorics	77
Spring 2015	MSCI	261	Eng. Econ: Fin Mgt for Eng's	81
Spring 2015	SE	202	Seminar	
Spring 2015	STAT	231	Statistics	68

Term Average: 73.7

Decision: Good standing

Winter 2015	CS	241	Foundations of Sequential Prog	93
Winter 2015	CS	245	Logic and Computation	95
Winter 2015	CS	251	Computer Organization & Design	87
Winter 2015	ECE	124	Digital Circuits and Systems	85
Winter 2015	MATH	135	Algebra for Hons Mathematics	96
Winter 2015	STAT	230	Probability	81
Winter 2015	STV	205	Cybernetics and Society	82

Term Average: 88.4

Decision: Excellent standing

Fall 2014	COOP	2	Co-operative Work Term	
Fall 2014	PD	21	Eng'g Wrkplace Skills II:	CR

Term Average: n/a

Decision:

Spring 2014	MATH	118	Calculus 2 for Engineering	91
Spring 2014	MTE	100B	Seminar	
Spring 2014	MTE	111	Structure & Prop. of Materials	88
Spring 2014	MTE	119	Statics	85
Spring 2014	MTE	120	Circuits	80
Spring 2014	MTE	140	Algorithms and Data Structures	98

Term Average: 87.6

Decision: Excellent standing

Winter 2014	COOP	1	Co-operative Work Term	
Winter 2014	PD	20	Eng'g Workplce Skills I:	CR

Term Average: n/a

Decision:

Fall 2013	CHE	102	Chemistry for Engineers	95
Fall 2013	GENE	121	Digital Computation	94
Fall 2013	MATH	115	Linear Algebra (Eng)	100
Fall 2013	MATH	116	Calculus 1 for Engineering	95
Fall 2013	MTE	100	Mechatronics Engineering	88

Term Average: 93.8

Decision: Excellent standing