

# MITCHELL VAN BRAECKEL

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## TECHNICAL SKILLS

- **Languages:** Bash, C/C++/C#, (S)CSS/HTML, GraphQL, Java, JS/TS, Python, React, VB, YAML
- **Databases:** Cassandra, MySQL, NoSQL, Oracle, PostgreSQL (PLpgSQL), Redis
- **Frameworks:** Django, Kafka, Kubernetes, microservices, .Net, NodeJS, React, REST, Swagger
- **Dev Tools:** AWS, Azure, Docker, Elasticsearch, GCP, Git, Jenkins, Jira, PS, Protobufs, RPCX
- **Other Skills:** Agile SDLCs, pair programming, code reviews, testing techniques, CI/CD

## EDUCATION

### SOFTWARE ENGINEERING (CO-OP), MINOR MATHEMATICS

SEP 2017 – PRESENT

UNIVERSITY OF GUELPH – BACHELOR OF COMPUTING

GUELPH, ON

- Earned cumulative average: 92.36%
- Completed CIS\*4010: Cloud Computing (100%)
- Completed CIS\*3760: Software Engineering (99%)
- Completed CIS\*3530: Data Base Systems and Concepts (100%)
- Completed CIS\*2750: Software System Development and Integration (100%)
- Completed CIS\*2430: Object Oriented Programming (93%)

## WORK EXPERIENCE

### SOFTWARE ENGINEERING CO-OP

JAN 2021 – AUG 2021

WAVE FINANCIAL INC. – FINANCIAL CAPABILITIES (PAYMENTS) TEAM

TORONTO, ON

- Led development for the “Risk Toolbox” (RT) initiative to replace fragile web scraping scripts used by risk analysts with an internal app that meets compliance requirements and leverages third-party APIs, such as TransUnion, Ekata, PLAID, GIACT, and LexisNexis, to identify fraud flags and verify credit report, name, address, and bank account information
- Obtained professional experience with the following languages and tools while leading RT development across multiple teams, repos, and internal apps: Python (Django), pytest, Mypy, Flake8, Black, isort, AWS Encryption SDK, Poetry, RPCX, Google Protobufs, CircleCI, GraphQL, JS, CSS, SCSS, HTML, functional React with web hooks, and Datadog

### APPLICATION DEVELOPER / WEB DESIGN

JUN 2020 – AUG 2020

UNIVERSITY OF GUELPH – HOSPITALITY SERVICES, INFORMATION TECHNOLOGY

GUELPH, ON

- Completed various projects working with UoG HS systems and web applications, where the main highlight was integrating Moneris, a new credit card payment system, in C# and .NET
- Developed code and worked independently while responsibly reporting project progress to a manager, which allowed me to learn many new things: both technical and non-technical

### SOFTWARE ENGINEERING INTERN

APR 2019 – DEC 2019

NCR CORPORATION

WATERLOO, ON

- Developed RESTful API in YAML and Swagger that operates using Java-based microservices that reside in a Kubernetes environment setup with Docker containers
- Worked using Scrum Agile SDLC within a large team of 8+ developers in coordination with another 6 teams using end-to-end, continuous integration testing techniques
- Led the creation, improvement, and management of documents for developers and coding standards to maintain consistency in the custom programming language used at NCR

**COMPUTING & COMMUNICATIONS SERVICES CONSULTANT**

NOV 2018 – PRESENT

UNIVERSITY OF GUELPH – CCS CLIENT PRODUCTIVITY

GUELPH, ON

- CCS Help Centre: Actively listen to and assist clients remotely to resolve technical difficulties promptly by providing the appropriate information and direction to the proper resources
- IT Help Desk: Effectively apply technical knowledge and skills to troubleshoot client issues face-to-face and swiftly develop a solution using analytical problem-solving ability

**LEVEL 3.5 UMPIRE**

MAR 2012 – PRESENT

BASEBALL ONTARIO

GUELPH, ON

- Update game availability online weekly using organizational abilities for over 200 games
- Arrive 30 minutes before scheduled start time by planning and managing time wisely
- Communicate with up to 3 other umpires to enforce baseball rules and make fair, impartial judgement calls to ensure the game progresses smoothly and safely

**GRYPHON ACTIVITY CAMP COUNSELLOR**

JUL 2018 – AUG 2018

UNIVERSITY OF GUELPH – ATHLETICS

GUELPH, ON

- Improved teamwork by cooperating and collaborating with coworkers to efficiently run camp
- Enhanced leadership skills by monitoring groups of 18+ children while programming and preparing sports and craft activities during each day of camp

**COMMUNITY ENGAGEMENT**

VARSITY BADMINTON TEAM &amp; CLUB

SEP 2017 – PRESENT

REP GUELPH ROYALS BASEBALL

SEP 2007 – AUG 2017

- Won numerous MVP awards and tournaments
- Awarded R. Jack Middlemass Scholarship (\$3500), Jul 2017 – given to one player in Ontario
- ICBA Ontario Summer Games Team 2014 and ICBA League All-Star Team 2012

CCVI HIGH SCHOOL CLUBS &amp; SPORTS

SEP 2013 – JUN 2017

- Badminton – Won district D10 title for Mixed Doubles and awarded Male MVP in 2015
- Volleyball – CWOSSA semi-finalist 2015 and won district D10 title 2013, 2015
- Math Club – Top 25% in Canada; Cayley 2015, Canadian Intermediate Math 2014
- Robotics Club – Designed, built, and programmed a robot using LEGO Mindstorms

**ACHIEVEMENTS (SELECTED)**

- Adknown Inc. Scholarship (\$2500), Jan 2021; For academic excellence, leadership, and volunteerism
- Dr. Mary McLeish Scholarship (\$500), Oct 2018; Dr. Ted Swart Scholarship (\$500), Oct 2019;
  - Rewarded for highest average of core classes in software engineering for first and second year
- NCR Global Hackathon - Top 10 Finalist (\$400), Jul 2019;
  - Placed top 10 of ~400 teams, for my team's submission, FacePay, which uses facial recognition
- City of Guelph 175<sup>th</sup> Anniversary Scholarship (\$2000), Nov 2018;
  - Awarded for academic excellence, volunteerism, and leadership on campus or in the community
- Waterloo G.I. Game Jam Participation, Sep 2018; Attended "Learn" and "Make" events for Unity
- Local Hack Day Hackathon – Guelph Participation, Dec 2017;
- ECOO-CS Programming Contest, Apr 2017; Ranked 4<sup>th</sup> in regional team coding competition
- Canadian Computing Competitions Participation, Feb 2016, Feb 2017; Distinction in Jr & Sr CCC