

# Mitchell Van Braeckel

Guelph, ON · (519) 212-9912 · mvanbrae@uoguelph.ca · <https://github.com/mvanbraeckel>

## TECHNICAL SKILLS

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

## EDUCATION

**SOFTWARE ENGINEERING (CO-OP), MINOR MATHEMATICS** SEP 2017 – APR 2022  
UNIVERSITY OF GUELPH – BACHELOR OF COMPUTING, HONOURS GUELPH, ON  
• GPA: 3.95; Earned cumulative average: 93.23%; Earned core average: 95.88%

## 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 – APR 2022

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)

- Jay Majithia Scholarship (\$1000), Dec 2021; For academic excellence & research interest/involvement
- 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; Also 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