

Rania Rejdal

PROFESSIONAL EXPERIENCE

Miltera Machining Research Corp., Cambridge, ON

Premier prototype and advanced manufacturing facility known for its ultra-precision

iOS Application Developer

09/2021 – 08/2022

- Published custom manufacturing task management mobile app on App Store for inner-business usage.
- App allowed users to track and manage parts easily and efficiently.
- User-friendly app improved communication between departments, reducing production time.
- Automated functionalities include completing parts, trays splitting, holding and scrapping parts, scanning trays with QR code, pie-chart milestones completion overview with filters.

Haneco Lighting Canada Inc., Markham, ON

Provide energy efficient solutions optimizing environments and reducing operating cost

iOS Front End Developer

01/2021 – 04/2021

- Developed iOS appraisals app for iPad, allowing fixtures lighting data input and fixtures solutions generation.
- Developed logic to store, remove, edit, retrieve .json and .jpeg data from Amazon S3 database.
- Conducted regular QA testing with team members weekly.

Avidrone Aerospace Inc., Breslau, ON

Design and manufacture industrial UAVs with unique tandem rotor flight technology

Software Developer

09/2019 – 12/2019

- Documented current telemetry protocol which details all messages sent between UAV and ground station.
- Created Windows Qt C++ app to interpret, filter and output telemetry messages via serial or from saved HEX files.
- Developed an app which calculates battery flight time for the desired payload during a mission using Qt Creator.

RELEVANT PROFESSIONAL COURSES

Professional Development 5 – Project Management

University of Waterloo, Waterloo, ON

09/2021 – 12/2021

- Used a work breakdown structure and Gantt chart to identify tasks and subtasks needed to complete a project detailed in a case study.
- Applied different methods of stakeholder management to demonstrate understanding of the role of each stakeholder.
- Identified ways to mitigate scope creep, including ways to control time within a project.
- Created a project budget using forecasted conditions in a home renovation project simulation.

CONTACT

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SKILLS

Technical Skills:

- Programming Languages: C++, SwiftUI, Python
- Source and Version Control: Git, GitHub
- Database and API: TeamWorks API, Amazon S3, CloudKit, Core Data

Industry Knowledge:

- Front-end Development
- Data Structures and Algorithms

Soft Skills:

- Problem-Solving
- Project Management
- Organization
- Resilience
- Flexibility
- Active listening

Languages:

- English (Native)
- French (Native)

EDUCATION

Ontario Tech University

BSc Hons, Coop
Computer Science
2022 – Present (First Year)

University of Waterloo

BASc Hons, Coop
Mechatronics Engineering
2017 – 2021 (Third Year)

Professional Development 6 – Problem Solving

University of Waterloo, Waterloo, ON

01/2021 – 04/2021

- Identified personal problem-solving style and gained an understanding of other styles; reflected on past experiences to better solve problems alone and with others in the workplace.
- Analyzed real-world problems by identifying risks and stakeholders; used root-cause analysis.
- Used decision-making tools, such as benefit-drawback chart / weighted decision matrix to generate multiple solutions and identify the best solution to a problem.
- Identified ways to minimize potential barriers to problem-solving in interactive simulation; practiced addressing barriers by writing context statements.