# Ganghoon (James) Park

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Software and Biomedical Engineering | McMaster University
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## Qualifications

- Excellent **interpersonal** and **communication skills** demonstrated while being the head paddling coach
- **Goal-oriented** and **self-motivated** individual, exhibited through design projects
- **Passion** for learning and striving to transform **creative** ideas into **innovative** solutions

## Skills

**SOFTWARE & TECHNICAL**

- Java, Javascript, Python, C++, Git, powershell
- MATLAB, Arduino. SQL
- AutoCAD, Autodesk Inventor

**LAB & SAFETY**
- WHMIS & Biosafety Trained
- Standard First Aid
- Technical Report Writing

## Education

**Bachelor of Software and Biomedical Engineering**
McMaster University, Hamilton ON
Class of 2025

## Achievements

- **School record:** fastest 500m dragon boat (TIDBRF 2019)
- **1st place platinum** in Kiwanis Music Festival

## Work Experience

**SOTI: Sales Engineer**     **May 2022 – Present**
- Conducted **POC** for customers, such as Hershey's, PetSmart, Paypal, Blue Triton, provided technical support, set up **Azure & AWS** servers
- Created **XML, ZPL, ps1, json** scripts, **trained** entire sales team on configuring **MQTT** & **RESTAPI** brokers, IOT devices, API integration
- Troubleshooted devices and applications using networking tools
- Created login page using **C#** and **SQL** for authentication

**Andorix: Client Support Engineer**     **May 2021 – Aug 2021**
- Developed **SQL** queries and **dashboard** using **Power BI** and **C360**, created reports, performed **backup**, managed tickets using **ConnectWise**
- Configured, circuited, assembled, tested **ONT/OLT** devices

## Extracurricular Activities

**Video Content Creator and Editor**     **May 2020 – Present**
YouTube

- Created **Python**, **Java**, **PowerShell** tutorials, video blogs reaching over **500,000** views and generating over **$500** in revenue
- Edited videos using **Davinci Resolve**, **Adobe Photoshop**, **Canva**

**Prosthetic Design Team & VP Outreach**     **Sep 2019 – Apr 2021**
Medical Engineering Design Team (MED-T)

- Designed haptic feedback using force sensing resistor on **Arduino**
- **Circuited** and **soldered** prosthetic arm**, organized** team meetings

## Projects

**Knee Joint Goniometer**     **Sept 2021 – Apr 2022**
- Programmed using **Python**, **Arduino**, **Javascript** to collect data and monitor knee flexion angle using a mobile app, 3D printed using **AutoCAD**

**Hip Implant Design Project**     **Oct 2019 – Dec 2019**
- Designed using **Autodesk Inventor** and **Python** to analyze biomechanics

## VOLUNTEER EXPERIENCES

**Altar Server**     **May 2012 - Aug 2019**
St. Andrew Kim Roman Catholic Church
- **Serra Canada Bishop's Award** (Oct 2018), volunteered over **400hrs**