

# RASIK POKHAREL

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## Highlights of Qualifications

- **Education:** Enrolled in level 2 of a 5-year Software Engineering and Management Co-op program at McMaster University (~3.8cgpa)
- **Technical skills** include coding on **Python, java, and JavaScript, HTML, CSS, react** with strong software engineering principles. Proficient in **AutoCAD** 3D design, **Quartus** digital circuit design and **Latex** with willingness and ability to learn anything else.
- **Soft Skills** include problem solving, critical thinking, communication and able to work independently as well as in a team.

## Work Experience

### Physics 1E03 Teaching Assistant/ McMaster University Department of Physics (Jan 2021 - Current)

- Worked with a large group of TA's, Instructional Assistants and Profs to teach electrical physics for engineers.
- Administered and managed labs for a very large group of students alongside other TAs.
- Developed great attention to detail and diligence while grading students' work.

### Intern / Beaches East York Federal Liberal Association (Aug 2018 -Current)

- Worked co-operatively with a very large team of over a hundred consisting of volunteers, staff and interns.
- Developed great verbal communication skills over the phone while contacting constituents.
- Gained valuable leadership experience training volunteers and helping organise a political campaign.

### Vice President-Fintech/ MacFintech (Aug 2020 - Current)

- Worked with a small team of peers to create the only financial technologies club at McMaster as VP fintech.
- Learned and taught and held events for, many different topics such as: cryptocurrencies, blockchain, full stack development, stock trading competition to other student in biweekly seminars, hackathons.
- Developed strong web development and git skills working with others on websites with peers.
- Learned about the many different challenges of starting companies ranging from logistics to funding and everything in between.

## Projects (contd. on website)

### MacFintech.ca / Using: (React, Git, JavaScript) (Aug 2020 - Current)

- Collaboratively worked on the website for McMaster fintech using react while applying my skills in HTML & CSS.
- Created the websites very sleek front end graphical user interface made with various different react UI libraries.
- Designed and implemented the basic yet highly effective and functional backend of the website.

### Poker/ Using: (Java) (March 2021 - Current)

- Independently used software engineering principles of modular design to implement Texas holdem poker in java.
- Have an expansion plan in place that involves creating a GUI in java, creating a machine learning AI to play poker well, implementing poker in react native and launch the app in the app store, analyzing professional game data and more.

### Prosthetic Hand Mechanism/ Using:(AutoCAD) (Aug 2018 - Aug 2019)

- With a group of four, planned, designed, modelled and developed a prosthetic hand mechanism with gears.
- Used 3D modeling software AutoCAD to design gears and other parts for the mechanism and assembled the parts.
- Constructed a fully functional gearing train mechanism to accurately translate input to desired output.

