Lucas Chen

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EXPERIENCE

Software Developer   May 2022 – Present
Exchange Solutions

AI Research Member   Oct 2021 – Present
McMaster Artificial Intelligence Society
- Currently communicating with a team of 4 software developers to discuss ideas and implementation for training a humanoid in a ragdoll physics simulation to walk and navigate through obstacles
- Using **C# and Unity** to train and simulate humanoid.

Application Support Analyst   Jun 2021 – Sept 2021
InsideDesk
- Investigated business process and application issues reported by users, manually identified **50+ bugs**, conducted QA testing and validated bug fixes, and acted as an interface between the clients and the development team.
- Designed custom **JavaScript Slack bots** to notify the customer onboarding system, decreasing manual tasks by around **20%**.
- Used **Selenium and Python** to automate UI testing tasks for new UI releases and daily UI tests. Has decreased manual testing by **40%** and has detected **11** bugs since.
- Automated a daily recurring script to read, parse, and forward customer connection health checks using JavaScript, Google Forms and Slack.

HACKATHONS

Summary.io ⬡ | *React, AssemblyAI API, Express.js and Git* — [GitHub Link](#)   Jan 2022
- A full-stack web application with **React** as the front-end and **Express.js** and **Node.js** for back-end
- Using **AssemblyAI API** to generate speech-to-text.
- Built during MacHacks second annual 36-hour Hackathon.

Rest Day ⬡ | *React, Git, FitBit and ExerciseDB API* — [GitHub Link](#)   Jan 2022
- A full-stack web application with **React**
- Using **FitBit API** to check statistics such as fatigue and sleep. As well as the **ExerciseDB API** to allow the use of a large database of exercise GIFs.
- Second place for DeltaHacks 36-hour hackathon challenge "To Work or Not To Workout".

SIDE PROJECTS

Assignment Checker ⬡ | *Python, Git, Selenium, and Twilio* — [GitHub Link](#)   Sept 2021
- Developed **Python** script to find all open assignments for course MATH 2Z03 and send a SMS to your number.
- Using **Selenium** for web automation and **Twilio** to send SMS.

MyMovieGroup ⬡ | *Python, Flask, HTML/CSS, Git, and IMDb API* — [GitHub Link](#)   May 2021 – Present
- Developing a web application with **Flask and Python** as the back-end with **HTML/CSS** as the front-end
- Using **Firebase Realtime Database** and **IMDb API**
- To allow friends to track and filter movies they have watched together.

TECHNICAL SKILLS

Languages: Java, JavaScript, Python, C, C#, HTML5/CSS3, BASH
Frameworks/Tools: Flask, Selenium, React, NodeJS, Git, GitHub, JSON

EDUCATION

McMaster University   Hamilton, ON
Bachelor of Engineering in Software Engineering Co-op   *Sept. 2020 – May 2024 (Expected)*
- Dean's Honor List, McMaster Honors Award, 2020 – 2021