Toronto, Canada
www.ccalvin.com

CALVIN CHOI

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EDUCATION

Toronto, Canada **University of Toronto** **Sept 2016 – May 2021**

- B.S. in Computer Science and Cognitive Science, expected May 2021. **GPA: 3.85**
- Dean's List Scholar 2017, 2018, 2019
- Coursework: Algorithms and Complexity; Operating Systems; Databases; Machine Learning; Artificial Intelligence; Web Development; Cognitive Neuroscience

EMPLOYMENT

Machine Learning Developer **Square, Inc.** **Feb – Sept 2020**

- Deployed a deep learning model to production using Google's AI Platform, **increasing automation** of customer service by ~4%.

Machine Learning Developer **Dessa** **Sept 2019 – Feb 2020**

- Developed a Python SDK to save machine learning model artifacts to redis using Flask and Docker, used by **hundreds of AI researchers**.
- Integrated graphing libraries into the user interface using React to visualize parameter-metric correlations from machine learning models.

Junior Software Developer **PolicyMe** **May – July 2019**

- Created an end-to-end RPA pipeline using React.js, PostgreSQL, Python, Selenium, and AWS Elastic Beanstalk to automate form submissions and **save 20+ hours** of weekly manual labour.
- Integrated email validation using React.js, Redux, and Kickbox to prevent fraudulent information from polluting the data pipeline.

Teaching Assistant **University of Toronto** **Jan – April 2019, 2020**

- Facilitated learning of an introductory computer science course by **leading a class** of over 30 students.
- **Taught** fundamental concepts on data structures, algorithms, and object-oriented programming.

Android Developer **Computational Cognitive Development Lab** **Sept 2018 – Apr 2019**

- Designed and developed an Android application to manage psychological experiments for use in current **world-leading cognitive research**, integrating computer vision models using TensorFlow Lite.

Lab Data Scientist **Duncan Lab** **May – Aug 2018**

- Rewrote a part of the pipeline for eye-tracking experiment data using pandas to improve speed efficiency of data flow by **10x**.

PROJECTS

- **ext2:** Implementation of the ext2 file system from scratch, supporting file system functions such as navigation, directory creation, file linking, and corruption detection and restoral. *C*
- **Color Infinity:** iOS game monetized with Google AdMob. Accumulated 100+ installs and a 5-star rating on the App Store. *Swift, Xcode*
- **DontSkipTheDishes:** Online dashboard of personalized food recipes based on ingredients in your fridge. Users could create accounts to log their ingredients and rate other people's recipes. *React.js, Express.js, MongoDB*

LANGUAGES AND TECHNOLOGIES

- *Proficient:* Python, React.js, Javascript
- *Familiar:* Java, C, Git, Bash, Docker
- *Prior experience:* Kotlin, Swift, Xcode, Android Studio