

SachaGoldman

Location

Toronto, Canada

US + Canadian Citizen
Willing to Relocate

Languages

♥ Python, Swift,
C, TypeScript

Tools

LaTeX, Git, Shell,
SwiftUI, PyTorch

Online

Email

sachagoldman@icloud.com

Website

sachagoldman.com

Github

[SachaGoldman](https://github.com/SachaGoldman)

LinkedIn

[Sacha Goldman](#)

Awards

New College Council
In-Course Scholarship

William and Shirley Read
Scholarship

VSU District Scholarship

Education

Computer Science and Mathematics University of Toronto
3.85/4.0 GPA Graduating May 2023

Bachelors of Science

Specifically interested in the applying both mathematics and computer science to machine learning. Core topics include: algorithms, data-structures, linear algebra, group theory, single and multivariable analysis, probability and statistics, and programming.

Experience

SSENSE

Montreal 2021

Swift SwiftUI UIKit Code Review

Worked as an iOS developer on the mobile team during my 4 month internship. Brought a fresh set of an ideas and helped push for a transition to the composable architecture and introduction of SwiftUI. Acted as a feature lead to research and create new features, including a product image zoom experience and better ApplePay integration.

Altairix

Toronto 2020

Java SQL Statistical Analysis

Worked as a full stack developer developing the web and Android based learning platforms for the Arrowsmith Program during my 4 month internship. Created new ways to present student data to teachers, such as, innovative student reports and interactive graphs.

Projects

K2

macOS App

Machine Learning Python Swift SwiftUI

Inspired by Apple Photos' lack lustre built in facial clustering K2 scans your mac's Apple Photos library and creates an album of each unique face found. The application uses the Photos API to find the pictures, then runs up python subprocesses which finds faces in each photo using a SVM and vectorizes them using a CNN. These vectors are then clustered using DBSCAN.

Challenges included code signing python for the App Store, and tweaking the model to get sufficient accuracy.

sachagoldman.com

Website

Vue TypeScript

My personal website serving as a home page for my presence online. This website was created from scratch in Vue and showcases my projects and academics.

The biggest challenge was learning Vue, as it was a completely foreign the framework.

Dots

Web App

JavaScript

Developed JavaScript project simulating a number of particles, or dots, applying forces on each other that can form interesting, natural looking structures. Pretty and entertaining.