# Michael Hsu

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Github: @sleepokay
Personal: everythingisreally.com

## SKILLS

**FLUENT**

Python, JavaScript, Java, HTML/CSS, SQL

Django, Bootstrap, JQuery, PostgreSQL, ArcGIS, Photoshop

**FAMILIAR**

PHP, C, C++, Standard ML

AWS, Google Cloud, Kubernetes, ReactJS, Node.js

## EDUCATION

**MCGILL UNIVERSITY** | B.A. COMPUTER SCIENCE

2009 - 2014 • Montreal, QC

- Areas of focus: algorithms, discrete math, complexity theory.
- Graduate level bioinformatics research on phylogenetic algorithms + RNA folding structures.
- Minors in English Lit. and Mathematics.

**NEW ENGLAND COMPLEX SYSTEMS INSTITUTE** | COMPLEX SYSTEMS THEORY AND MODELLING

2016 • Cambridge, MA

- Studied cellular automata, network effects, biological systems, geosocial systems.

**RECURSE CENTER** | INDEPENDENT STUDY

2017 • New York, NY

- Studied computational plant models, generative art, data visualization, image recognition, shaders, and web extensions.

## RECENT EXPERIENCE

**SHOPTHAT** | SOFTWARE ENGINEER

2017 – 2018 • New York, NY

- Fullstack development for e-commerce application and B2B data analytics platform.
- Worked with YouTube and Instagram APIs to create data pipeline and do fuzzy string matching.

**TAIWAN NATIONAL SERVICE** | HUALIEN CULTURAL CENTER

2014 – 2016 • Hualien, Taiwan

- Some low-key data engineering for audience questionnaires database.
- Light and sound systems technician.

**MCGILL GEOGRAPHIC INFORMATION CENTER** | CARTOGRAPHY RESEARCHER

2013 – 2014 • Montreal, QC

- Field data ETL and analysis for large-scale study of Amazon River communities.
- Designed and created comprehensive maps of North American coastal wetlands.

**DECODE GLOBAL** | DESIGN & PROGRAMMING INTERN

2013 • Montreal, QC

- Implemented gamma correction image module for the mWater clean water project.
- Developed and tested social awareness mobile game Get Water.