

Naomi Leow

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SKILLS

EXPERIENCE

Building models with PyTorch.
Fullstack Web Development
with React frontend and Go,
Rails or NodeJS backend
API Design
Mobile native app development
with Flutter, React Native.

PROGRAMMING

Frequently used:
Python • JavaScript • Ruby
Go • Java

AWARDS

- 2021 GovTech Impact Award
- 2015 Certificate of Distinction in
Computer Security
- 2015 Certificate of Merit in
Programming Languages
- 2013 NUS Student Achievement
Award (Team)

COURSEWORK

UNDERGRADUATE

CS3243 Introduction to
Artificial Intelligence
252-0220-00L Learning and
Intelligent Systems
252-5706-00L Mathematical
Foundations of
Computer Graphics & Vision
CS4247 Graphics Rendering
Techniques

GRADUATE

CS5446 AI Planning and
Decision Making
CS5340 Uncertainty Modelling
in AI
CSCS5562 Trustworthy
Machine Learning
CS6240 Multimedia Analysis

EXPERIENCE

EXPERIMENTAL SYSTEMS & TECHNOLOGY LAB

GOVERNMENT TECHNOLOGY AGENCY | MINISTRY OF EDUCATION
SOFTWARE ENGINEER

July 2019 - July 2022

Developed a bus tracking app prototype in Flutter and Rails.
Worked on a few Rails projects to help with Covid-19 operations.

EXPERIMENTAL SYSTEMS & TECHNOLOGY LAB

NATIONAL UNIVERSITY OF SINGAPORE | MINISTRY OF EDUCATION
SOFTWARE ENGINEER

July 2016 - June 2019

Developed SCMobile, a web application in React and Golang, that enables teachers to
conduct some of their daily administrative tasks on their phones.
Designed and oversaw the development of APIs over an existing system to retrieve
the data needed by our applications.

EXPERIMENTAL SYSTEMS & TECHNOLOGY LAB

MINISTRY OF EDUCATION, SINGAPORE
INTERN

Dec 2015 - Jan 2015

NUS STUDENT TUTOR

CS1010S PROGRAMMING METHODOLOGY (IN PYTHON)
Jan 2014 - Nov 2014

EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE

Jan 2022 - Present

MASTER OF COMPUTING - AI SPECIALISATION

NATIONAL UNIVERSITY OF SINGAPORE

Aug 2012 - July 2016

BCOMP HONOURS (DISTINCTION) IN COMPUTER SCIENCE

Focus Areas: Computer Security, Algorithms and Theory, Programming
Languages

NUS HIGH SCHOOL OF MATHEMATICS AND SCIENCE

Jan 2006 - Nov 2011

DISTINCTION

HONOURS IN MATHEMATICS, PHYSICS AND CHEMISTRY; MAJOR IN BIOLOGY

PAST RESEARCH

SUPPORT FOR PROGMEM

Aug 2015 - Apr 2015

Implementation of a tool which transforms Arduino sketches into an equivalent form
which requires less runtime SRAM by making use of the .progmem section of flash
memory.

DESIGN OF A CONCURRENCY CONTROL PROTOCOL FOR SONSQL

Jan 2014 - Nov 2014

Designing an early lock release concurrency control algorithm for a known schema,
with the requirement that transaction serialisability is not violated