

# Shuheif Fujita

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## OBJECTIVE

Dedicated Software Engineer aspiring to leverage Robotics and Computer Vision expertise and professional coding experiences to achieve safer and more efficient autonomous navigation systems within the robotics and automotive sectors

## SKILLS

Coding: Python, SQL, JavaScript, Java, HTML, CSS, PHP

Tools: PyTorch, TensorFlow, Git, Tableau, Kubernetes, Red Hat OpenShift, Linux

Languages: Japanese (native), English (fluent)

## EDUCATION

### Boston University, Boston, MA

Sep 2022 - Exp. Jan 2024

- Master of Science in Robotics and Autonomous Systems

### Research Assistantship

Jun 2023 - Present

- Develops a federated learning framework for autonomous driving systems on **Red Hat OpenShift**
- Researches risks of privacy leakage through gradient inversions against federated learning framework for end-to-end driving models, using **PyTorch** and **Python**

### Publication

- Fujita, Shuheif, Zhang, Jimuyang, and Ohn-Bar, Eshed. "End-to-End Decision-Making Models Can Leak Data". In Preparation, 2023.

### Beloit College, Beloit, WI

Aug 2016 - May 2018

- Bachelor of Science in Physics, Minor in Computer Science

### Honor's Term Award: Open Energy Dashboard Project

Jan - Dec 2018

- Built an open-source web application to collect and visualize energy consumption on a college campus with **JavaScript/TypeScript**, **PostgreSQL**, and **Node.js**

### Hokkaido University, Sapporo, Japan

Apr 2014 - Mar 2016

- Bachelor of Science in Computer Engineering

## EXPERIENCE

### **Senior Operations Analyst II, Indeed Japan K.K.**, Tokyo, Japan

Jan 2019 - Aug 2022

- Defined policies to guide company-wide quality decisions based on analysis of internal and third-party data using **Python** and **SQL**
- Improved content qualities on job portal by swiftly identifying and taking down fraud, scams, and other low-quality content from index
- Communicated findings to both inside and outside departments on a daily basis, utilizing Business Intelligence tools such as **Tableau**
- Led dozens of projects to enhance operational efficiencies and reduced +50% of incoming inquiries with outsourcing and automation with **Python**, **SQL**, and **JavaScript**

### **Cloud Programmer (Contract), Toyota Tsusho Systems US, Inc.**, Novi, MI

Jul - Aug 2018

- Prototyped a chatbot AI for customer service operations with Seq2Seq models implemented with **Python** and **TensorFlow**

### **Co-Founder, Littrex.com**, Beloit, WI

Jul - Dec 2017

- Built a web-based learning management system with **PHP** and **MySQL**
- Received a sponsorship from the 'gBETA' startup accelerator program by 'gener8tor'

### **Founder, iOS App Development**

Jun 2014 - Jul 2021

- Self-directed development and marketing of an iOS academic scheduler application using **Swift**
- Achieved a total of +53K downloads on Apple Inc. App Store