

# Jodi Gunawan

Software Engineer - Full Stack Developer

Vancouver, Canada

[github.com/jodigo](https://github.com/jodigo) | [linkedin.com/in/jodi-gunawan](https://linkedin.com/in/jodi-gunawan)

(778) 681-1098 | [jgunawan.1998@gmail.com](mailto:jgunawan.1998@gmail.com)

## SKILLS

**Language:** HTML5, CSS3, Javascript, Typescript, Ruby on Rails, Python, C, C++, SQL, XML, Git, Unit Testing

**Tools:** Angular, AWS, Docker, Flask, MS Azure, NoSQL, PostgreSQL, React.js, Redis, ROS, Sass, Tensorflow

## TECHNICAL WORK EXPERIENCE

**Junior Full Stack Developer, UBC Faculty of Medicine.** *Vancouver, Canada.* (May '19 - Present)

- Redesigned the API and architecture using Python, AWS, Microsoft Azure and Docker to create partial serverless microservice architecture which increases modularity and reduces costs by 50%
- Developed a dashboard using D3.js and React and a data visualization feature using ChartJS and Angular to provide interactive informative display of processed conversational data in 2 weeks duration
- Implemented Natural Language Processing model for short text message analytic tools using predefined label, topic modelling and sentiment analysis with UBC Data Science Research Experts

**Software Developer, Glacier Media Inc - Real Estate Wire.** *Vancouver, Canada.* (Jan – Aug '18)

- Developed real estate news site stored in AWS S3 using Javascript and search results localization using Ruby on Rails which boosted user retention by 100%
- Implemented an event tracking system using Google Bigquery and Redis to analyze the user pattern behavior for website data analytics
- Migrated a legacy third party CMS Polopoly via a database design and import using PostgreSQL
- Participated in biweekly sprints in Agile and Kanban culture with JIRA ticketing system

**Learning Technology Rover, UBC Faculty of Applied Science.** *Vancouver, Canada.* (Sep - Dec '17)

- Created automated task to migrate course database and contents from Connect to Canvas management system and developed responsive faculty webpages using HTML5, CSS, JS and WordPress
- Provided client driven face-to-face and remote technology support for faculty members
- Teaching assistant for the first year courses: APSC100 and APSC101

## TECHNICAL PROJECTS

**UBC Gado-Gado Indonesian Student Association.** *Vancouver, Canada.* (Sep '17 – May'19)

- Led the web design team and created gisaubc.com website using HTML5, CSS, Javascript and Bootstrap
- Mentored web development for new marketing team member

**Autonomous Wind Turbine Design Project.** *Vancouver, Canada* (Jan '19 – May'19)

- Developed the control system of Self-Powered Wind Turbine (with Fan Mode) using Arduino to maximize the power generated from sensor inputs and generate three phase PWM to power the fan
- Designed a mobile app to control the turbine direction and switch between the turbine and fan mode

**UBC Subbot, Object Detection Team.** *Vancouver, Canada.* (Jun '18 – Jan'19)

- Developed the control logic for autonomous submarine using ROS to participate in Robosub Competition
- Trained the Machine Learning object detection model using Tensorflow and created unit tests using PyTest

## EDUCATION

**University of British Columbia, 2015.** *B. ASc. in Electrical Engineering*

- Work Learn International Undergraduate Research Award '19