

ZIANG (HENRY) JIANG

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EDUCATION

University of Victoria, Victoria

September 2018 - Present

Bachelor of Science

Department of Computer Science - Currently in 3rd Year

TECHNICAL SKILLS

Proficient in Java, C/C++, PostgreSQL, Python, AVR/ARM Assembly

Strong understanding of OOP, ML Theory, Convex Analysis, Quantum Information

Familiar with Git, Gradle, Travis CI, JUnit

WORK EXPERIENCE

NorthSoft Inc.

Jul. 2017 - Sep.2017

Web Developer

Vancouver, BC

- Deployment web service to AWS, Writing static webpage
- Set up testing environment on testing platform

TECHNICAL PROJECTS

DBSCAN

Wrote in C++

Specifically optimized for modern computer architecture

Flight Reservation Database

Wrote in PostgreSQL and Python

Python as a simple front end extracting data from database

Text To Speech Synthesis

Re-implemented FloWaveNet with PyTorch

Used LJ-Speech data set

Sentiment Analysis

A simple application of Word2Vec neural network.

Multi-layer Centralized WSN

Proposed an multi-layer structured centralized WSN

This model appears to be low-latency, low network power consumption

Write python code to verify our ideas

CORDIC Algorithm

ARM compatible code write in C

Few Optimization Strategy Implemented

Personal Blog

Under Construction

Write in React

COURSES (PARTIALLY LISTED)

474 Data Mining; 475 Musical Information Retrieval; 447 Nonlinear Programming; 466 P2P Network; 370 Database Systems; 330 OOP; 463 Wireless Communication System; 361 Computer Networks; 265 Software Development Methods

EXTRA-CURRICULAR

Member of UVic Satellite Design Club. Help implemented Attitude Determination and Control System module on ORCASat