Keary Chang

Recent CS graduate with passion in finding software solutions to real world problems. Built websites and applications. Strong fundamentals in software development and programming.

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PROJECTS

Automatic Database Normalizer
- Built website that automates database normalization
- Created front end that prompts user for database schema and parses it
- Implemented algorithm that finds redundancies and returns normalized schema
- Written in HTML, CSS, Javascript and Semantic

Adaptive Congestion Control for Network Protocol
- Worked in team to implement variable round trip time for packets sent over IoT protocol
- Simulated network congestion to test performance
- Modified source code in C from forked open source project
- Achieved 50%-90% improved network performance in congested networks

Server Log Front End Interface
- Created front end UI for server logging software compatible for desktop and mobile devices
- Displays separate channels for information category with smooth HTML5 transition animations
- Written in HTML, Less, Javascript

EXPERIENCE

High School Tutor (2016 – 2016)
Freelance

X-Ray Technologist Intern (2015 – 2015)
Sunnybrook Hospital

EDUCATION

BSc Computer Science
Ryerson University

2015 – 2018

Radiological Technology
Michener Institute

2013 – 2015

PROGRAMMING LANGUAGES

Python Javascript Java C C# MATLAB

TECHNICAL SKILLS

Front End
HTML, CSS, less, jQuery, Bootstrap, Semantic

Back End
Heroku, React, Node.js, Express, MySQL, PostgreSQL

Other
Arduino, Raspberry Pi, Unix, Shell Scripting

SOFT SKILLS

Independent learner with initiative

Strong verbal and written communication

Analytical and problem solver

Dependable team player

Detail oriented

CERTIFICATES

Free Code Camp JS Algorithms and Data Structures

Free Camp Front End Development

Free Code Camp APIs and Microservices Projects

Free Code Camp is an online bootcamp for web development. Its curriculum includes algorithms, front end libraries, data visualization and APIs.