

Thomas Janna

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Education

Queen's University

BACHELOR OF COMPUTING (HONOURS) IN SOFTWARE DESIGN

- GPA: 4.23/4.30, Dean's Honour List
- Software Design specialization stream
- Excellence Scholarship for 90%+ high school average

Kingston, ON

Sept. 2019 – Apr. 2023

Work

ChangeRoom

SOFTWARE DEVELOPER

- E-commerce platform for sustainable and ethically sourced clothing
- Worked with MongoDB, Express and React Native to implement several features and bug fixes
- Made use of Google Cloud API for translating dynamic content
- Responsible for packaging and maintaining the Android Google Play release

Ottawa, ON

May 2021 – Aug. 2021

Real-Time Engineering & Simulation Inc.

SOFTWARE DEVELOPER

- Developed a systems networking protocol for embedded devices in C
- Focus on learning and implementing security practices and cryptographic methods
- Ported the C library to Android and Wear OS using JNI and NDK
- Configured and secured company git server and instructed others on generating and using SSH keys

Ottawa, ON

May 2020 – Aug. 2021

Queen's University

TEACHING ASSISTANT

- Teaching Assistant for Introduction to Computing Science II (CISC124), during the winter 2021 semester
- Teaching Assistant for Discrete Mathematics for Computing I (CISC102), during the fall 2020 semester
- Graded assignments and held weekly office hours to help instruct students

Kingston, ON

Sept. 2020 – Apr. 2021

Haiku

OPEN SOURCE CONTRIBUTOR

- Contributed to the Haiku operating system project by porting software to the official HaikuPorts repository

Github

Skills

Languages: C, C++, Python, Java, C#, JavaScript, HTML, CSS, Bash, ARM Assembly

Libraries: Qt, React Native, Express, Mongoose, OpenSSL, Selenium, libsodium, SDL, JavaFX

Other: Android SDK, CMake, git, Google Cloud API, Mailchimp Marketing API, Arduino, Docker, Apache

Additional Interests

- Administering and maintaining a general purpose home and web server
 - Apache HTTP server and certbot certificate generation
 - WireGuard and dnsmasq for a network wide VPN connection and DNS server
 - SMB (Samba) and AFP (Netatalk) for a local network drive
- Participant in QHacks, a hackathon hosted by Queen's
- Participant in QCTF, a "capture the flag" computer security/hacking contest at Queen's
- Attended DEF CON 26, international computer hacking and cybersecurity conference
- Scripting general purpose bash utilities for customizing my Linux PC
- Drummer in semi-professional rock band, Space Park