

CHRISTIAN VAN DER LOO

Software Engineer @chrisvander on GitHub



Personal Information

Mobile: (513) 739-9901

Email: chris.vanderloo@yahoo.com

Website: chrisvanderloo.com

From: Philadelphia, PA

Awards

- Won first place in a web design competition at TechOlympics, the largest high school IT conference, in 2016 & 2017.
- Received Dean's Honor List recognition every semester since starting at RPI.

Leadership

- President of the Interfraternity Council, Spring & Fall 2020
- Vice President of External Operations for Phi Kappa Theta, Spring & Fall 2020.
- Philanthropy Chair for Phi Kappa Theta, Spring 2019
- Vice President of Philanthropy on the Inter-Fraternity Council, Spring 2019
- Let a team for Rensselaer Center for Open Source

Relevant Coursework

- Foundations of Computer Science - F2018
- Intro to Algorithms - S2019
- Intro to AI - S2020

Hobbies

- Producing music under the alias "Chortex", released music on all platforms

A passionate, driven software engineer with experience at a range of companies and familiar with many different software stacks. Looking for co-op and internship opportunities for Summer 2020 and beyond as a software developer.

Education

RENSELAER POLYTECHNIC INSTITUTE, TROY, NY

Candidate for Bachelors of Science in Computer Science & Cognitive Science, dual degree, graduating Dec 2020. **3.80/4.00** GPA.

Experience

MIT LINCOLN LABS COUNTER-WMD SYSTEMS SOFTWARE STUDENT RA (AUG 2019-PRESENT)

Worked on projects for detecting and modeling chemical and biological threats in urban environments. Developed an Android app for scouting out locations to place sensors, and manage collection and distribution of the sensors and collection wafers to capture particulates (which could identify threats). Created a server to manage synchronization of app data and app configuration, and allows for pairing of collection data with lab results. These tools will be used for a major NYC test in October 2020. Additionally, created data ingest systems for live sensor streaming from an Amazon SQS queue to an on-premise Elastic Stack. This live data feed is used to design ML algorithms for detecting threats.

SAP NS2 SUPPORT ENGINEER INTERN (SUMMER OF 2019)

Worked on testing and creating a proof-of-concept app utilizing a secure version of SAP Cloud Platform for customer deployment. Additionally, created an internal reporting tool for the NS2 support organization to monitor incoming incidents, built with SAPUI5 and Cloud Platform.

GE AVIATION DIGITAL TECHNOLOGY LEADERSHIP PROGRAM INTERN (SUMMER OF 2018)

Developed an automated testing framework for use on a customer-facing Tier 1 web application with over 55,000 users. Used Jenkins and Docker to deploy testing on dedicated servers, as part of a CI/CD pipeline. Developed a Vue.js application for booking conference rooms, using Microsoft Exchange's REST API.

ADMITALLY COFOUNDER (SUMMER OF 2017)

Co-founder and full-stack developer for a developer team of 4 on a startup project named "AdmitAlly" that consisted of a Ruby on Rails application with the OpenTok platform for video and messaging. The project was valued at **\$2.5MM**.

Skills

DEVELOPMENT

Experience with: JavaScript, C++, C, Objective-C, Swift, Python, Java, HTML5, CSS3, Ruby, Assembly, Shell.

FRAMEWORKS/TOOLS

React, NodeJS, React Native, Xcode (macOS/iOS development), NPM, Vue, Linux, SAPUI5, Android Studio, Electron, Git, Docker, Heroku, Jenkins, Travis, Jekyll, MongoDB. Familiar with PyMC3.