CHRISTIAN VAN DER LOO

Software Engineer   @chrisvander on GitHub

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Personal Information

Mobile: (513) 739-9901

Email: chris.vanderloo@yahoo.com

Website: chrisvanderloo.com

From: Philadelphia, PA

Awards

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

Leadership

- President of the Interfraternity Council, Spring & Fall 2020
  - Liaison for fraternity/administration relations
- 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
- Led a team for Rensselaer Center for Open Source called "Schedj".
- Teaching assistant for MIT Beaverworks high school summer course, Serious Games with AI.

Personal Projects

- Existential Graphs (React)
- 2048 AI (C++)

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 development and research opportunities in the area of AI & Machine Learning.

🎓 Education

RENSSELAER POLYTECHNIC INSTITUTE, TROY, NY

Candidate for M.S. in Computer Science, with focus in reinforcement learning, graduating Dec 2021. B.S. Dual Degree. **3.80/4.00** GPA.

💼 Experience

MIT LINCOLN LABS COUNTER-WMD GROUP, SOFTWARE RESEARCHER (AUG 2019-PRESENT)

Engineer on projects for detecting and modeling WMD threats in urban environments. Member of machine learning algorithm development team. Designed/developed data ingest system for real-time data streaming: Amazon SQS to on-premise Elastic Stack. Data feed used to design ML algorithms for threat detection and visualization. Developed multiple custom Android apps to support project needs, with server-side data management, storage, and web user interface.
Projects: Urban Threat Dispersion, BioDetection 21, NYC Chem-Bio Testbed

SAP NS2 SUPPORT ENGINEER INTERN (SUMMER OF 2019)

Sole developer, designed and implemented a proof-of-concept app utilizing a secure version of SAP Cloud Platform for customer deployment. Developed 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 4-person development team on a startup project named "AdmitAlly". Consisted of a Ruby on Rails application with the OpenTok platform for video and messaging. Parent company adopted platform, and is currently valued at **$2.5MM**. https://admitally.com/

</> 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.