Christopher K. Schmitt

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Education

Central Connecticut State University — New Britain, CT
BS Computer Science - Honors *GPA: 3.48* — Sep 2018 - Jun 2022

Experience

TheCoderSchool — Farmington, CT
Instructor — Oct 2018 - Present

- Taught computer programming and computer science concepts
- Developed curricula for teaching foundational concepts in computing and robotics

Skills

Full Stack Web Development:	JavaScript, Typescript, React, Vue, Express, Node, Mongo
Systems Programming:	Rust, C, MIPS Assembly, AVR Assembly
Machine Learning:	TensorFlow, PyTorch, Data Processing
Game Development:	Java, C#, Lua
Other Programming Languages:	Haskell, Python, Latex
Tools:	Git, CI Pipelines, VMs
Soft Skills:	Project Leadership, Communication, Collaboration, Tenacity

Projects

Twitter-RNN *TensorFlow, JavaScript* — https://github.com/shmishtopher/Twitter-RNN
An artificial neural network leverging BEAM search to generate Tweets indistinguishable to those composed by humans.

VAU - The Vocaloid Archive Utility *Rust* — https://github.com/shmishtopher/VAU
An application for extracting and recompiling the proprietary voicebank format.

CoinBlock *JavaScript* — https://github.com/shmishtopher/CoinBlock
An extension for detecting and blocking browser-based crypto mining attacks with thousands of active users.

pneumonia-CNN *TensorFlow, JavaScript* — https://github.com/shmishtopher/pneumonia-CNN
A deep convolutional network for diagnosing pneumonia with a high degree of accuracy.

Claims Management System *React, Express, JWT Authentication*
A tool developed for The Hartford insurace corperation to process claims. Build with a small team of four other developers leveraging Agile processes.

FreeAgentNow *Express, JWT Authentication*
A social media platform targeted at student athletes. Built for a startup in the UConn TIP program with a team of four other developers leveraging Agile processes.

Research

De Bruijn Graph Genome Assembly Acceleration — CCSU 2019-2020
Lead investigator studying optimal k-mer length for probabilistic genome assemby using De Bruijn graphs. Submitted to the Central Undergraduate Research Confrence.

Dark Web Text Classification with RNNs — CCSU 2021-Present
Lead investigator studying and developing unsupervised text classification techniques for analyzing dark web documents. Collaborated closely with CS department faculty to collect data and produce a paper to be submitted to several confrences.