# 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

**BioXcel Therapeutics** — New Haven, CT
*Software Data Engineer* — May 2022 — Present

- Developed tools for constructing knowledge graphs in the drug repurposing domain.
- Used a vareity of AI techniques for link prediction and compound property prediction.

**TheCoderSchool** — Farmington, CT
*Instructor* — Oct 2018 — May 2022

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

## Skills

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|---|---|
| Language Fluency: | American English, German |
| Development Tools: | Git, Docker, Google Cloud, AWS |
| Systems Programming: | Rust, C, MIPS Assembler |
| Machine Learning: | Python, Jax, PyTorch, TensorFlow |
| Fullstack Web Development: | JavaScript, Typescript, Node.js, React, Mongo |
| Other proficient languages: | Haskell, LaTeX, Java |

## 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

**Dark Web Text Classification with RNNs** — *CCSU* 2021 — 2022
Lead investigator studying and developing unsupervised text classification techniques for analyzing dark web documents. CCSCNE 2022 Finalist.

**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.