

# Christopher K. Schmitt

me@shmish.dev · c.schmitt@my.ccsu.edu · 8605787614 · <https://shmish.dev/>

## EDUCATION

**Central Connecticut State University**  
BS Computer Science - Honors *GPA: 3.48*

New Britain, CT  
Sep 2018 - Jun 2022

## EXPERIENCE

**TheCoderSchool**  
*Instructor*

Farmington, CT  
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 |
| Languages:                   | English, German  |

## PROJECTS

**Twitter-RNN** *TensorFlow, JavaScript* <https://github.com/shmishtopher/Twitter-RNN>  
An artificial neural network leveraging 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 insurance corporation to process claims. Built 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 assembly using De Bruijn graphs. Submitted to the Central Undergraduate Research Conference.

**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 conferences.