

Daniel Karagory

(219) 379-4846 daniel@karagory.com Indianapolis, IN 46214

Employment

Hurco Companies, Inc. (November 2021 - May 2022)

Software Engineering Intern

- Working alongside full-time employees on CNC machine programming
- Implementing new features into a legacy codebase
- Researching and implementing fixes for tickets submitted by customers

Purdue Division of Financial Aid (May 2020 - November 2021)

Financial Aid Counselor

- Help students follow Federal regulations and requirements
- Diagnose problems within our internal database
- Train new counselors

Conference Publications (March 2022)

"Induced Cooperation: A New Strategy for Cyber Deterrence," *U.S. Strategic Command Deterrence and Assurance Academic Alliance Conference and Workshop*. University of Nebraska-Lincoln, March 2022.

- Studied existing research under Dr. Stacey Connaughton and Dr. Jason Reinhardt
- Wrote one possible future strategy that rethinks our approach to cyber deterrence
- Presented findings at the USSTRATCOM Academic Alliance Conference

Projects

SCP Conversion Project (May 2019)

<https://scp.karagory.com/>

An open source re-implementation for the website behind the "SCP Wiki", the largest collaborative writing project on the internet

- Automatic PDF output for readers
- Intuitive visual hints for authors
- APIs for developers
- Compatible with existing users, systems, and projects
- Visual representations over time using analysis of historical data
- An interactive WebAssembly application

Minimalist CPU and Compiler Collection (May 2018)

<https://github.com/DanielBatteryStapler/MCCC>

A hardware to high-level programming language stack for use as a teaching tool

- 16-bit CPU made from simple components
- Custom assembly language for that CPU
- Assembler for that language
- C-like higher level language
- Compiler and linker for that language
- Debugger/emulator for that CPU

Education

Purdue University
Computer Science Major
Software Engineering Specialization
3.68 GPA
Graduated May 2022

Languages

- C
- C++
- Java
- HTML/CSS
- JavaScript/WebAssembly
- Lua
- Python
- SQL
- Scheme Lisp

Technologies

- Linux
- Docker
- Git
- MongoDB

C++ Python

C++ MySQL HTML JavaScript

C++