# Benjamin Hall

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https://github.com/swidex | portfolio: https://bhall.xyz

## EXPERIENCE

### EP2, Des Moines — *Cyber Security Intern*

MAY 2021 - AUG 2021

- Enforced security standards and processes by reviewing CIS security recommendations and implenting needed changes
- Documented new formal company policies and protocols on topics including Risk Assessment, Account Policies, Training, etc.
- Served as the primary contact in the newly-established cybersecurity department

## EDUCATION

### Iowa State University, College of Engineering (CoE)

AUG 2020 - MAY 2024 (Projected) | Ames, IA

Major: Cybersecurity Engineering, Honors: 2020-2021 CoE Dean's List

### Creighton Preparatory

AUG 2016 - MAY 2020 | Omaha, NE

Highschool Diploma

## PROJECTS

### ISU MIPS CPU — *Head Design Engineer*

JAN 2022 - MAY 2022 | Ames, IA

- Designed a processor architecture in VHDL around a MIPS-based RISC-V design.

### ISU CyBot — *Embedded Systems Developer*

AUG 2021 - DEC 2021 | Ames, IA

- Collaborated on C-based embedded systems firmware to receive data from sensors and drive motors over a serial connection
- Developed a python server for advanced processing on real-world data, as well as receiving inputs from end users.

### FINDining — *Front-End Developer*

SEP 2017 - APR 2018 | Omaha, NE

- Built an Angular application for a recommendation algorithm for restaurants.

### CyberPatriots Hardening Script

SEP 2016 - APR 2020 | Omaha, NE

- Developed a bash script to secure a variety of vulnerabilities automatically, covering Ubuntu and its many services for servers.

## SKILLS

- Python
- JavaScript
- TypeScript
- C/C++
- Java
- Node.js
- Angular
- Git
- Database Management
- Agile (Scrum)
- Linux
- Windows Server
- Computer Architecture

## AWARDS

**Congressional App Challenge,** 1st in Nebraska

**CyberPatriots**, 1st in Nebraska (2017-2020)

**UNO IT Innovation Cup**, 1st Place (2017-2019)

**Future Builders Challenge**, 1st Place