




# Hans Pistor

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## Work Experience

### Stetson University

October 2017 – May 2020

*Jr. Applications Developer [20 hrs/wk]*

*Deland, FL*

- › Built and maintained Android application to provide 2FA for students and faculty using TOTP method to interface with main CAS system.
- › Built various websites and forms using Java Spring for faculty: Data Entry for admissions, Request forms for future IT tool development
- › Generally worked alone but all work was checked into git repo for review

## Projects

### Chupacabra

Senior Research

- › Developed a tool that generates networked Cyber Ranges with a known vulnerability lattice to aid teaching network security. Developed in Prolog & Python

### Security Audit

CINF 385

- › Audited Stetson's network security, discovering two vectors of attack: exploitable 3rd party camera firmware allowing access to video feed and SQL injection leading to admin access to main WordPress website - used to run teacher and faculty sites.

### Space Simulator

CSCI 321

- › Built the back-end for a Space Simulator game where players could create planets under various conditions and share them.
- › Integrated all the team's code together [ Visual, Math, Backend ] into the final product in Unreal Engine 4 using a mix of C++ and Blueprints

## Education

### Stetson University

2016 – 2020

*BA Computer Science*

*Deland, FL*

## Skills

**Languages** Java, Javascript, Python, Kotlin, Swift, Rust, SQL

**Frameworks** Django, Spring, SwiftUI, React

## Other

### Home Lab

- › VSphere Homelab for: Storage, Ad blocking, Active Directory, Self Hosting [Plex | Minecraft]

### Collegiate Rowing Team

2018 - 2020

- › Men's rowing team in University.

### IBM Master the Mainframe

2014-2019

- › Completed Part 2 of IBM's Master the Mainframe where mainframe technologies such as zOS, JCL, and COBOL are explored each year

### ACM Programming Contest Competitor

2016

- › Received 2nd place at ACM's South Eastern Regional Programming Contest.