

# THOMAS F HANSKNECHT

Contact Me: (251) 327-7009 | [tfh0007@auburn.edu](mailto:tfh0007@auburn.edu)

Software Portfolio and Website: <https://thomashansknecht.com> | LinkedIn Profile: [www.linkedin.com/in/ThomasHansknecht-tfh](https://www.linkedin.com/in/ThomasHansknecht-tfh)

## OBJECTIVE

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Computer scientist looking to share leadership, knowledge, and teamwork in a full-time position for January 2022.

## SKILLS

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**Programming Languages:** Fluent with MASM Assembly, C++, C, OS/161, VHDL, Java, Python, Apple script, Ruby

**Computer:** Well suited for Windows, Mac OS, many distributions of Linux

**Software:** Proficient with Mat Lab, Visual Studio, ModelSim, Word, Excel, PowerPoint, Git

## EDUCATION

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**Auburn University, Auburn, AL**

December 2021

Bachelor of Science in Computer Science – Samuel Ginn College of Engineering

Last Semester GPA 3.2 / 4.00

**Spring Hill College, Mobile, AL**

August 2017 – May 2018

Business Administration – CIS

28 credit hours received

### Relevant Course Work:

Personal Computer Applications, Fundamentals of Computing I and II, Software Construction, Principles of Programming Languages, Discrete Structures, Computer Organization and Assembly Language, Digital Logic Circuits, Operating Systems, Software Modeling and Design, Computer Architecture

## SOFTWARE PROJECTS

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**Thomas Hansknecht Website, Auburn AL**

May 2021 – Present

- As an independent developer, created a custom website in HTML, CSS, and JavaScript
- Hosted through Git Hub Pages using a custom DNS server and Domain
- Developed a responsive design that changes depending on platform and screen size
- Implemented Intersection Observers to gauge user scroll position and activate scripts/animations
- Used jQuery for simple backend components and JavaScript for more complex logic

**Air Traffic Controller Application, Course: Software Modeling and Design**

January – April 2020

- Created a fully interactive application that allows 24 users to create and view their tickets
- Scanner classes store and retrieve 24 customers, 13 tickets, and 5 airports from 3 databases
- Built using Git as a version control through 3 shared remote repositories
- Designed based on UML diagrams and GRASP Design patterns created by a team of 5

**Auburn Hacks Hackathon, Auburn University**

February 2020 – April 2021

- Team leader, platformer game development competition, in February 2020
- Built “Mario with a Gun” using Python with Pygame, over a 24-hour period
- Used 4 Sprite sheets to animate the player, objects, items, and enemies

## LEADERSHIP AND AWARDS

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- Appointed POA for my grandmother to help sell real-estate, manage banking, and pay bills July 2021
- Gautrelet Scholarship, Spring Hill College, Mobile, AL May 2017–May 2018
- 18<sup>th</sup> place in the nation K-12 U-800 US Chess Federation competition, Atlanta, GA April 2016