

Nathan Stark

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Objective

Seeking entry-level positions in digital design or embedded systems beginning summer of 2025.

Education

Iowa State University, College of Engineering Ames, Iowa

Bachelor of Science in Computer Engineering

Expected May of 2025

GPA 4.00 out of 4.00

Employment

Syncbak, Inc Marion, Iowa

Software Intern

June 2019 – August 2019, June 2020 – September 2020, June 2021 – August 2021

Wrote object-oriented C++ to test PCBs and video inputs for servers, used POSIX libraries to interact with network, threading, and processes in Linux, documented code using Doxygen, used Git for version control, creation of GNU Makefiles for easy compilation, construction and imaging of production Linux servers

Collins Aerospace Cedar Rapids, Iowa

FPGA/ASIC Intern

June 2022 – Present

Designed, implemented, tested, and integrated VHDL code. Worked as part of a SCRUM team. Used SVN and Git for version control and JIRA for issue tracking. Wrote Python scripts to automate parts of design flow. Used lab equipment such as oscilloscopes and logic analyzers to evaluate performance and functionality of design.

Skills

Languages

- Computer: C, C++, Java, Python
- Hardware Description - VHDL

Software

- SVN, Git, Github, KiCAD, Microsoft Office, Google Suite, JIRA, Vivado, Quartus

<https://github.com/nastark123>

Activities and Leadership

FRC Robotics Team 967

August 2018 – June 2021

- Lead Programmer June 2019 – May 2021

Boy Scouts of America

February 2014 – February 2021

- Earned Eagle Scout February 2021