

# Andriy Bench

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## Work Experience:

Security Clearance: **Secret**

### Lockheed Martin - Rotary and Mission Systems (RMS)

Software Engineer Associate

June 2021 - Present

- Designing and implementing created designs into Next Generation Radar systems.

### Lockheed Martin - Rotary and Mission Systems (RMS)

Student Intern (Technology Specialist)

June 2020 - August 2021

- Implemented BOOST to GTEST conversions for the Terrestrial Layer System (TLS)
- Integrated code from previous projects to put together a demonstration of the TLS receiving real time IQ Data
- Researched TLS system requirements on the secure network, for the creation of a Rhapsody model of TLS

### NASA - Illinois Space Grant Consortium (ISCG) Intern

Project Leader

October 2019 - February 2020

- Lead our intern group in designing a new, Wi-Fi enabled, version of the high-altitude balloon ACS (Altitude Control System)
- Redesigned the ACS electronics board, using a nodemcu esp8266 chip in AutoDesk Eagle
- Wrote a satellite proposal to NASA about turning the high-altitude balloon system into a satellite

### Adler Planetarium: Far Horizons Lab

Far Horizons Project Assistant

April 2019 - Present

- Developed a new software update for the high-altitude balloon ACS (Altitude Control System).
- Designed a secondary board for the ThinSat satellite, which housed the spectral light sensors and one UV light sensor, using Eagle.
- Wrote software for the ThinSat satellite, which created and sent data-packets from orbit. These data packets, 35 bits each, were created using C
- Contributed over 100 hours of volunteer work over the summer working on the ThinSat project, while teaching a high school intern

### CrowdAI

Final Reviewer

August 2019 - November 2021

- Mapped landscape features in satellite imagery
- Classified annotated features into predetermined categories, ie: buildings, roads, trees, grass
- Edited and quality tested legacy classified images

## Skills/Computational Abilities

Trilingual: Ukrainian, Russian, and English  
Microsoft Suite  
HTML / CSS / WordPress / AWS  
Arduino

Java  
JavaScript  
C / C++  
Python

Linux Command Line  
PHP  
MySQL/PostgreSQL  
Agile

## Extracurricular Activities:

### Independent Web Developer

Full Stack Developer

January 2018 - Present

- Worked as an independent contractor, developing websites for small businesses.

### Competitive Men's Volleyball

- IIT Varsity Men's Volleyball
- Youth A1 Team / Candidate for Youth National Team

September 2017 - May 2021  
January 2015 - July 2017

## Education:

Illinois Institute of Technology (IIT)

Graduation Date: May 2021

Major: Computer Science

Minor: Computer Engineering