Timothy Polnow
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Education

Old Dominion University, Norfolk VA, Graduated June 2017

        Bachelors in Mechanical Engineering, Power and Energy   Courses in HVAC Design and Gas Dynamics.

        Minor in Computer Engineering   Courses in Advanced Algorithms and Microcontrollers.

Employment History

TSC: Technology Service Corporation
Software Developer : Oct 2017 - Present

- **RSGS :** Robotic Servicing of Geosynchronous Satellites
  - IRW : Integrated Robot Workstation
  - ROTK: Robotic Operations Tool Kit
    - Database centric planning and control software
    - Developed app interfaces for both the real and simulated telemetry and commanding
    - Software Lead for planning tools, data verification, and configuration managed data
    - Telemetry Visualization
- **SECCHI, WISPR**
  - Website for publicly released solar data.
  - Database developer for the ssr data pipeline.
- **Seadragon**
  - Display a live feed of ship positions on google earth for recognisance

Groups/Organizations

VEX-U Robotics Team
Prototype Engineer : August 2016 - April 2017
- International robotics competition where colleges and universities design, build, and program robots to compete against each other in a game-based engineering challenge.
- The game was to gather objects on your side of the field and throw them onto your opponent's side as quickly as possible.
- Engineer for pneumatic systems and drive train.
- 2nd In New York Tournament.

ASME Aerospace East
Volunteer : August 2016-February 2017
- Competition to design and build an rc and auto piloted airplane to carry a payload.
- Volunteered with construction of the vehicle.

Skills

- Java
- C++
- C#
- Matlab
- Python
- Assembly

- Django
- MySql
- Postgres
- Docker
- Kubernetes
- Docker Compose

References

Jamie Lennon   Patrick Jones
Manager at RSGS   Colleague at TSC
443-542-8686   240-217-7895