

Alexander Buczynsky

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Experience

May 2017 - Present

Siemens: Dallas, Texas - Senior Software Engineer

- Responsible for the design and implementation of the microservice architecture in Sm@rtGear automation products.
- Lead software developer for the Siemens Edge DCU product.
- Responsible for Mindsphere cloud application development, deployment, and distribution.
- Responsible for developing IOT solutions for Energy Utility Applications.

May 2016 - November 2016

Audi AG: Ingolstadt, Germany - Intern

- Involved with the development of the Audi Automated Guided vehicle (AGV) for use in assembly line production at Audi, AG.
- Developed a software application to track an automated guided vehicle AGV using both indoor and outdoor localization, providing a way to dynamically start the robot from any position in a production environment by interpolating wireless and bluetooth signals.

May 2015 - May 2016

Pharmaworks Inc: Odessa, Florida - CAD Systems Automation Specialist

- Responsible for automating the workflow of Mechanical Engineers working on Thermoforming Machines.
- Using a plugin for Solidworks called Driveworks, a program was created that automated the parts, assemblies, and drawings for an entire assembly line.
- More information can be found here: (<https://goo.gl/ncji2Z>)

Education

The University of Florida / B.S.M.E

Bachelor of Science in Mechanical Engineering

GAINESVILLE, FLORIDA

AUGUST 2015 - MAY 2018

- GPA 3.42 / 4.00
- Dean's List: UF Herbert Wertheim College of Engineering

St. Petersburg College / A.A.

Associates of Arts

TARPON SPRINGS, FLORIDA

AUGUST 2013 - MAY 2015

- GPA 3.58 / 4.00
- Graduated Cum Laude, Dean's list
- Phi Theta Kappa Honor Society

Skills

LANGUAGES

English (First Language)
German (Fluent)

PROGRAMMING LANGUAGES

Typescript (Expert)
Javascript (Expert)
Node.js (Expert)
Python (Intermediate)
C# (Advanced)
golang (Intermediate)

SOFTWARE TOOLS

Solidworks (Certified)
Docker (Advanced)
Excel (Advanced)
Adobe Photoshop (Advanced)
Adobe Illustrator (Intermediate)
TIA Portal (Intermediate)

TECHNOLOGY STACKS

React.js (Expert)
Angular (Advanced)
Vue.js (Advanced)
Sequelize (Advanced)
Express.js (Advanced)
OpenAPI (Swagger) (Expert)

NETWORKING PROTOCOLS

MQTT (Expert)
HTTP / HTTPS (Expert)
MODBUS (Expert)
S7 (Expert)