

STEPHEN KATZ

31 LANDSDOWNE ROAD, EAST BRUNSWICK, NEW JERSEY 08816

CELL: 732-425-9735

EMAIL: STEPHENJK41@GMAIL.COM

WWW.LINKEDIN.COM/IN/STEPHEN-KATZ

Objective:

To address technological challenges through innovative tactics while maintaining a steadfast desire to learn.

Education and Skills:

New Jersey Institute of Technology: Class of 2020

Bachelor of Science: Computer Engineering, Newark College of Engineering

Relevant Coursework:

Microprocessors (ARM);
Data Structures and Algorithms;
Wireless Data Communications,
Signals and Transmissions

New Jersey Institute of Technology Undergraduate Research and Innovation Grant

- Awarded grant to design a telemetric system that optimizes performance and range of an electric vehicle.

New Jersey Institute of Technology TechQuest 1st Place Prototype Winner

- Awarded 1st place prize for creating a prototype of an integrated power management system that optimizes range for electric vehicles

Software Development Skills

- **Object Oriented Language:** C++, Java, Swift, C#
- **Markup Languages:** XAML, HTML, XML
- **Scripting Languages:** JavaScript, TypeScript, PHP
- **Query Languages:** SQL
- **Front-end Frameworks:** Angular, React, Vue
- **IDE:** Xcode, Eclipse, Python and Microsoft Visual Studio/Code
- **Protocols:** UDP, TCP and CAN
- **Other:** Gitlab, Clang, CMake, RHEL 7

Work History:

Intern, SciTec Inc: Summer 2019

- Optimized large scale C++ program
 - Incorporated Boost C++ library for directory searches and sorting algorithms
 - Added python script to display quick output graphs for testing and development
 - Implemented polynomial fit algorithm to interpolate data sets
- Worked in collaboration with development teams across the country

Co-Op, United Parcel Service (UPS): July 2018 – January 2019

- Developed budget tool using Angular with SharePoint integration
 - Single page application styled with Angular Material
 - Implement service worker and JSON Server for development testing
 - Add aria accessibility support
 - Design conceptual, logical, and physical data models
- Designed and implemented a user interface for mobile application using Xamarin

Intern, New Era Technology: Summer 2017

- Aided engineers at an IT consulting firm (For more information please feel free to contact me)

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Projects:

NJIT Solar Car, Lead Software Engineer, August 2017 - May 2018

, Project Manager, May 2018 - May 2019

- Create a UI using JavaFX and WebView
- Engineer an internal information network using Arduino and Raspberry Pi
- Implement LoRa communications to transfer data packages
- Incorporate CAN Bus protocol to obtain data from several car components
- Develop project budget, manage team activities and utilize problem solving skills
- Redesigned team structure to provide accountability for all parts and components