

# Daniel Sager

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dansager.github.io  
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## EDUCATION

### Bachelors of Science, Computer Science

University at Buffalo, NY

*Expected Graduation May 2020*

GPA: 3.37 / 4.0, Major GPA: 3.67/4.0

University of Leicester, England

*Study Abroad Spring 2018*

## TECHNICAL SKILLS

- **Languages:** C, C++, C#, Java, JavaScript, Python, OCaml, XML, MIPS, Verilog
- **Tools:** Arduino, Visual Studio, Eclipse, CLion, Android SDK, Bluetooth
- **Operating Systems:** Linux, Windows, Android
- **Software Development:** Agile/Scrum, OOD using UML, Version Control with Git

## WORK EXPERIENCE

### Zebra Technologies | Holtsville, NY

Software Engineering Intern

May 2019 – August 2019

Software Test Engineer I

December 2019 – January 2020

- Updated Linux based testing software to support multithreading. This includes the implementation of piping, synchronization, timeout, parameter passing and more. – C++
- Developed a TCP/IP application that distributes automated testing requests to multiple different dedicated testing computers on the network. Test computers are only connected to LAN and are running Windows and Linux based operating systems. – C++
- Updated automated test scheduling program to allow for Linux distributions of the company's dynamically linked library by integrating the TCP/IP application mentioned above. – C#

## PROJECTS

### Personal Project

Android Application "Travel Planner"

- Created android app that serves as tool to store various travel and destination information.
- Programmed in Java and XML using Android Studio, this application focuses on functionality, efficiency and user interface to achieve the best user experience possible.
- Found on Google Play Store by searching "Travel Expense Planner Sager"

### College Projects

Basic Stack-Based Bytecode Language Interpreter, Programming Languages

- Developed in OCaml, the interpreter is designed to process input code one line at a time and relay output back to the stack. Capable of processing multiple math operations, storing and recalling variables, basic if statements, independent function environments, error detection and more.

Group Generating Web Application, Software Engineering

- Developed a web application that helps students find group members for group programming assignments. Frontend development involves React Web framework and Google Sign-in API while the backend utilizes Django for database integration.

People Counter, Real-time and Embedded Systems

- Created a people counter using an Arduino and motion sensor to track the number of people to enter a room. Real-time statistics and update controls are integrated through Bluetooth to Android communication via an accompanying Android application.