Alan Gan
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Education

GPA: 3.85/4.00

University of Illinois at Urbana-Champaign, B.S., Computer Science **Expected May 2019**

Coursework

Systems Programming

Data Structures

Operating System Design (In Progress)

Computer Architecture

Numerical Methods

Intro to Computer Security (In Progress)

Awards and Honors

- Dean's List 2015-present
- SRI National Merit Award Scholarship 2015-2016

Skills

- Proficient in Java, Android, C, C++, Qt, Rust, Python, Javascript, CSS, and HTML.
- Experience in OSX, Linux, Windows, MongoDB, Docker

Professional Experience

STUDENT ASSOCIATE, SRI INTERNATIONAL, PRINCETON, NEW JERSEY **JUNE - AUGUST 2016**

- Developed a data collection app using interprocess communication and interfaced with drivers to collect sensor data from Android devices, ISKN Slate, and a smartwatch.
- Created a GUI program with C++ and Qt to visualize and manipulate data collected from biosensors.
- Worked in a team to conduct research into the efficacy of various supervised and unsupervised training models and neural networks in recognizing handwriting and gestures from smartwatch data.

INTERN, DOUBLEBRIDGE TECHNOLOGIES, PRINCETON, NEW JERSEY **JUNE - AUGUST 2014**

- Developed C/C++ class library that visualizes tree structures based on formatted input.

INTERN, CUNY REAP PROGRAM, NEW YORK **JUNE - AUGUST 2013**

- Collaborated with college transfer students to analyze the ARDrone SDK, programming a drone to respond to custom iPhone commands using Objective C.

Personal projects

- Working on project for collecting words and terms from Wikipedia to build a syntax graph.
- Building an interpreter in Rust for a toy programming language.

Extracurricular Leadership

STAGE CREW **SEPTEMBER 2013 - JUNE 2015**

- Co-chief: Led students on the principles of designing and constructing a large set for annual fall and spring stage productions.
- **Fluent:** Mandarin. **Working proficiency**: German. **Elementary:** Turkish, Arabic