

# Alber Sultan

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## EDUCATION:

**University of Rhode Island** | Kingston, RI,  
Bachelor of Science in Computer Science  
GPA: 3.3

Expected May 2019  
*current Junior*

**RELATED COURSES:** Analysis of Algorithms, Object Oriented Programming, Data Structures and Abstractions, Fundamentals of Programming Languages , Software Engineering, Calculus, Linear Algebra, Database Management Systems, Programming in Data Science, Applied Combinatorics, Operating Systems and Networks, Statistical Methods in Research

## SKILLS:

**SOFTWARES/TOOLS:** Eclipse, Bootstrap, Python Libraries, Github, Visual Studio, Django , Amazon Web Services , Microsoft Office

**COMPUTER LANGUAGES:** Python, C++, R, Java, SQL, HTML, Prolog, SML

**OPERATING SYSTEMS:** Windows, Linux

**LANGUAGES:** English (Native), Urdu, Punjabi

## PROJECTS & RESEARCH:

### **passreqs | Software Engineering**

Fall 2017

- Developed a Google Chrome Extension that finds a website's password requirements and displays them to user.
- Backend is written in Django with a postgresql database along with a password generator script in Python
- The password requirements are returned as a JSON object which are then displayed in a box when user hovers the sites password box.

### **RPN Calculator | Data Structures and Algorithms**

Spring 2017

- Implemented a stack using any underlying data structure; through research, found doubly linked list could perform stack functions in constant time  $\Theta(1)$ .
- Used the implementation of stack to create a Reverse Polish Notation calculator.
- Captured user input and pushed it into the stack in order to perform the mathematical operation.

## WORK EXPERIENCE:

**University of Rhode Island Computer Science Department | Kingston , RI**    September 2016 – April 2017  
*Lab Monitor*

- Interacted through a server to recover information pertaining to students.
- Worked with team to solve IT issues with Mac and Windows computers.

## MEMBERSHIPS:

Kappa Sigma Fraternity, Academic Committee  
URI MSA, Member

April 2017 - Present  
October 2015 - Present