

# Zain Umerani

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## Education

B.S. in Computer Science and Engineering, Santa Clara University, June 2018 (GPA : 3.7)  
Undergraduate Coursework : Advanced Data Structures, Discrete Mathematics, Embedded Systems, Logic Design, Operating Systems, Design and Implementation of Programming Languages.

## Experience

### Texas Instruments

June 2016 – Sept. 2016

### Software Engineering Intern

-Worked on a compression algorithm targeted for all TI MCUs in order to improve efficiency during the compilation process.

### HackingEDU

Sept. 2015 – June 2016

### Web Developer

-Created landing sites using modern web technologies for developers across the nation to learn more about the organization.  
-Expanded HackingEDU's reach by keeping members up to date on events.

### ApexChat

June 2015 – Aug. 2015

### Engineering Intern

-Wrote code snippets in C# and PHP for clients to connect to remote databases.  
-Increased ApexChat's user base by building an API for customers to easily perform database transactions.

## Projects

**Store Application REST API (Nov. 2016 – Dec. 2016 ):** Built a small API to play with Python and the Flask framework. The API offers services such as adding and authenticating users through JWT (JSON Web Token), as well as adding and deleting items and stores. The API is running on a Heroku server and utilizes a PostgreSQL database through Flask-SQLAlchemy.

**SCU SIGGRAPH Website (Jan. 2016 – Present):** While helping build Santa Clara University's first computer graphics club, I helped in developing the club's website to attract future members (<http://www.scusiggraph.org>).

**HackingEDU Live Site (Oct. 2015):** Constructed a site for the HackingEDU hackathon from scratch in order to help the organization grow. The site also kept developers updated on events and provided services that were needed during the hackathon.

## Skills

**Languages:** Bash, C, C++, Java, Python (working proficiency), SQL (working proficiency)

**Applications:** Git, Eclipse, Heroku, Ionic/Cordova, PostgreSQL, Vi/Vim, Xcode

**Operating Systems:** Android, Mac OS X, UNIX

**Web Development:** AngularJS, Bootstrap, CSS3, HTML5, Flask, JavaScript, JSON, jQuery, Node.js/Express, MongoDB