

# Daniel Stinson-Diess

dstindiess.net

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## EDUCATION

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- **University of California, at Riverside** Riverside, CA  
*Bachelors of Science in Computer Science; GPA: 3.75* *Sep. 2016 – Jun. 2019*

## SKILLS AND TECHNOLOGIES

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- **Languages:** C++, Python, Swift      **Technologies:** Django, PostgreSQL, HTML5, CSS3, LaTeX, Firewalls

## EXPERIENCE

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- **UC Riverside** Riverside, CA  
*Web Research Assistant* *Jun 2017 – Jul 2017*
  - **Django:** Designed and integrated views and forms for user creation and authentication in the Django framework with PostgreSQL. Separated permissions for various users types for organization management purposes.
- **Fundraising Solutions** Temecula, CA  
*Benefit Auctioneer* *Aug 2016 – Present*
  - **Floor Auctioneer:** Communicate between auctioneer and non-profit organizations to understand and exceed fundraising goals. Rapidly build relationship with donors to create a donor network for each cause.

## PROJECTS

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- **R'Shell** *Sep 2017*  
*Bash Command Line Shell*
  - **Command Building:** Used regular expressions to parse user input, and used this to build an abstract syntax tree with the chained commands.
  - **Input Redirection:** Implemented bash input and output redirection through system calls provided by the operating system.
- **Tweet Watcher** *Sep 2017*  
*Twitter API on Embedded System*
  - **Twitter Streaming API:** Used twitter streaming API with python to monitor a list of twitter account and to evaluate true upon activity.
  - **Raspberry Pi:** Interface Raspberry Pi with LED's to blink upon the twitter activity.
- **Android Polling Application** Citrus Hack  
*Web Research Assistant* *Sep 2016*
  - **Android API:** Researched and implemented API calls to use the android fingerprint scanning API to ensure voters are using their own device.
  - **Firebase:** Implemented Firebase database to store questions and responses to all requests made via the andriod app.

## ORGANIZATIONS

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- **Association of Computing Machinery at UCR** Riverside, CA  
*Vice President* *Apr 2017 – Present*
  - **Academic Programs:** Implemented a peer led office hour program that has over 11 hosts, helping many more members. Created library of professional and academic texts for members to use.
  - **Member Retention & Success:** During the first year improved membership by 40% and those members had more success in both academic and industrial settings.
- **CyberSecurity at UCR** Riverside, CA  
*Vice President* *Aug 2016 – Present*
  - **National Cyber League:** Top 200 in the gold tier in jeopardy style security competition ranging from: cryptography, stenography, network analysis, and open source information.
  - **Western Regional Collegiate Cyber Defense Competition:** Participated in invitational and acted as an alternate for the regional competition where team placed 5th overall.
  - **Security CTF Team:** Working with security researchers on campus to train undergraduate students to work on binary analysis & other security CTF topics.