Daniel Stinson-Diess

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EDUCATION

- **University of California, at Riverside** — Riverside, CA
  Bachelors of Science in Computer Science; GPA: 3.80 — *Sep. 2016 – Jun. 2019*

SKILLS AND TECHNOLOGIES

- **Languages**: C++, Python, Golang   **Technologies**: Django, PostgreSQL, HTML5/CSS3, LaTeX

EXPERIENCE

- **Southern California Edison** — Rosemead, CA
  Cybersecurity Intern — *June 2018 – Sept 2018*
  - **Incident Response**: Processed 75 events of interest per day in the security operations center. Investigations include phishing attempts, malware analysis, and network probes.
  - **Automation Engineer**: Create playbooks to automate the handling of repetitive data enrichment. Pulled data from 16 cyber technologies, compresing a 30 min task into an instant one.
- **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.

PROJECTS

- **R'Shell**
  Bash Command Line Shell — *Sep 2017*
  - **Command Building**: Used regular expressions to parse user input, and used this to build an abstract syntax tree using the command design pattern.
  - **Input Redirection**: Implemented input and output redirection through system calls provided POSIX API.
- **Malloc Package**
  Dynamic Memory Library — *Apr 2018*
  - **Explicit free List**: This C library uses a doubly linked list between free regions using pointer arithmetic to quickly allocate memory of the best fit.
- **Polling Application** — Citrus Hack
  Android Voting App — *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 Android app.

ORGANIZATIONS

- **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*
  - **Western Regional Collegiate Cyber Defense Competition**: Managed perimeter defense and security. Implemented firewall policies that reduced wasted web traffic by 60%, and led team to place 1st in defense and 3rd overall.
  - **Security CTF Team**: Started offensive security development team for competitive practice, where we have placed 42nd out of 800 universities. Challenges solved include binary exploitation, reverse engineering, and web application security.