Audrey M. Randall

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Education

Bachelor of Science, **Computer Science**, minor in **Ceramics**, anticipated May 2018.

University of Colorado, Boulder, CO (303-492-1411). Current GPA: 3.75.

Programming Languages

In order of knowledge: C, C++, Python, Go, Java, Scala, R, SQL

Work Experience

- Summer intern at **Google**: *May 2017 – Present*
  - Added support to Search Lite, Google's search experience for slow connections, for the Google Doodles, allowing millions of users to view them for the first time
- Summer intern at **Verizon**: *June 2016 – August 2016*
  - Created personalized dashboard webpages of network utilization information for members of the IP Capacity Engineering team, using Splunk and SQL
- Intern at **Nikolaus Correll Lab**: *May 2015 – May 2016*
  - Developed a chemistry teaching tool/simulation on a swarm robotics platform called the "Droplets." Repo: https://github.com/correlllab/cu-droplet/tree/chemDropletSim
- Apprenticeship with mixed-media **sculptor Emma Hardy**: *May 2015 – July 2015*
  - Learned various principles of mixed media 3-D design and fabrication
- Summer intern at **NOAA**: *June – August 2014*
  - Created tutorials in the use of QGIS, a mapmaking software package, for users to make customized datasets for "Science on a Sphere."

Research

- Metis**:** Subset of the Tapdance anti-censorship project (https://refraction.network/)
  - Load-balancing proxy for pluggable transports, designed to enhance usability of censorship circumvention methods. Repo: https://github.com/refraction-networking/Metis *(In progress)*
- A. Randall, J. Klingner, and N. Correll, "Simulating Chemical Reactions using a Swarm of Miniature Robots," In Proc. 14th Conference on Simulation of Adaptive Behavior, 2016, pp. 305-316.

Awards and Achievements

- Zayo Scholarship to attend the 2015 Grace Hopper Conference
- Member of the Engineering Honors and Global Engineering programs at CU Boulder