

RACHEL KITCHEN

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EDUCATION

Virginia Polytechnic Institute and State University, Blacksburg VA (2016-2020)

- B.S. in Computer Science | GPA: 3.93
- Minors: Spanish, Chinese

Johns Hopkins Engineering Innovation (2014)

- Conducted experiments in multiple engineering disciplines with small teams
- Demonstrated knowledge through technical write-ups

American University: Discover the World of Communication (2013)

- Improve world-building and player experience in Video Game Design course

RELEVANT EXPERIENCE

Undergraduate Researcher, Virginia Tech (present)

- Design, train, and test deep learning neural networks for RF sensing applications
- Use the Keras Python toolbox, with a focus on creating data visualizations

Cyber Security Engineer Intern, Raytheon, Largo FL (2017)

- Developed secure cloud communications using virtualization through Docker and VMWare
- Created and executed tests against security requirements.

PROJECTS

Google Cardboard VR Game (in progress)

- Developing a VR android app using Unity Game Engine (C#)
- Focusing on user experience through game concept, environment, and functionality

Personal Portfolio Website (in progress)

- Creating a personal portfolio site (HTML, CSS, JavaScript)

EXTRACURRICULARS

Hackers@VT : Advertising Officer

- Run club-hosted programming events, such as hackathons and coding workshops
- Promote the club through designing attractive posters, event flyers, and event giveaways

Association of Women in Computing (AWC) : SEC Representative

- Host events to promote diversity and inclusion in computing fields
- Represent the club at the Society of Engineers Council club on campus

Presidential Innovation Scholar (iScholars)

- Select group of students for developing business professionalism and entrepreneurship

Hypatia Engineering Living and Learning Community

AWARDS & ACHIEVEMENTS

- Investment in Excellence and CSRC Scholarships (2017)
- 1st place in VT AWC Arduino Hackathon (2017)

OTHER EXPERIENCE

Freelance Videographer (2010-present)

- Produce professional commercial and non-promotional videos on commission.
- Website: www.diveo.squarespace.com

Girl Scouts (2006-2015)

- Active engagement in service projects to promote community and global wellness

Appalachian Service Project (2014)

- Redesigned and built over 15 homes for Appalachian families and residents in need.

Water Project Club (2012-2014)

- Raised over \$1000 to build wells in Uganda and Kenya and spread awareness for clean water.