

SANDRA SANDEEP

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EDUCATION

University of Maryland - College Park

Graduation: May 2020

Bachelor of Science, Computer Science

Minor in Engineering Project Management

Northrop Grumman Corporation Engineering Scholar

GPA: 3.97

Advanced Cybersecurity Experience for Students (ACES) Honors Program

Banneker/Key Scholar

SKILLS

- Proficiency with Java, UNIX/Bash Scripting, C, HTML, and CSS
- Familiarity with C++, Python, OCaml, AVR Assembly, Ruby, PHP, and SQL
- Proficiency with Adobe Photoshop and Adobe Illustrator
- Basic knowledge of CAD in SolidWorks and Google SketchUp

AWARDS AND HONORS

- Northrop Grumman Cyber Engineer Competition – 1st place team for “Pina Colada” Wi-Fi pineapple project (2017)
- Maryland Blue Ocean Entrepreneurial Competition – 2nd place team for “GelGear” concussion band (2015)

WORK EXPERIENCE

UMD Computer Science Dept *Teaching Assistant for Object-Oriented Programming I*

Fall 2017

- Teach a class of 94 students with a team member, reviewing course concepts and demonstrating practical implementations
- Hold office hours to provide one-on-one help to students
- Grade exams for correctness and projects for style and efficiency

Northrop Grumman Corporation *Intern (Cyber & Intel Division; Undersea Systems Division)*

Summer 2017

- Developed possible solutions for an automated online internal hiring and re-assignment system
- Supported negotiations for a \$50M+ contract with an international customer and helped prepare for an internal non-advocate review and independent cost estimate audit
- Directed logistical preparations and drafted presentations and a paper for the PACIFIC2017 International Maritime Conference in Australia

Maryland Center for Women in Computing (MCWIC) *Ambassador*

August 2016 – June 2017

- Led a computer club of 10 students every Monday at Greenbelt Middle School with two team members
- Developed Scratch and HTML-based curriculum with team members
- Represented MCWIC at Outreach and Professional Development events

Chesapeake Lighthouse Foundation *Instructor*

March 2016 – July 2017

- Developed and taught an advanced math program for 55 students in grades 4-12 for the 2016-17 year
- Taught a PSAT Prep Boot Camp class with 10 rising high school juniors (August 2016)
- Developed and taught a Redesigned SAT class to 15 high school juniors (March to June 2016)

Phocus Designs *Intern*

Summer 2015

- Developed a mock social networking site by applying SQL, PHP and Javascript

ACTIVITIES

CS Honors Student Board

October 2017 – present

ACES Student Board *Lab Chair*

May 2017 – present

Association for Women in Computing

September 2016 – present

Intramural Co-Ed Soccer

September 2016 – present

Maryland Discourse

September 2016 – present