**Dylan Cathapermal**

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**OBJECTIVE**

Third year university student looking for either a summer internship position in software development or a hands-on immersive student program intended to teach and expose students to real world computer science environments.

**EDUCATION**

**Clemson University** *Clemson, SC* AUG 2017 - PRESENT

Bachelor of Science in Computer Science

Expected Graduation Term: Spring 2021

GPA: 3.50/4.00 (Major GPA: 4.00/4.00)

**Thomas Jefferson High School for Science and Technology** *Alexandria, VA* SEP 2013 - JUN 2017

**SKILLS**

**Languages:** C; C++; HTML; Java; Python

**Tools:** AWS (EC2, Elastic Beanstalk, Lambda, S3); Django; Docker; React

**EXPERIENCE**

**TRACE Research Group** *Clemson, SC*JUL 2019 – PRESENT

**=== Summer Program Participant**

Learning practical programming with hands-on web development

**SAIC Systems** *Lexington Park, MD*JUN 2018 - JAN 2019

**=== Model Based Systems Engineer Intern**

Interim Clearance

Testing latency and load time of NAVAIR’s cloud network

**Clemson University Residents in Science & Engineering (RiSE)***Clemson, SC*AUG 2018 - MAY 2019

**=== RiSE Tutor**

RiSE Living Learning Community Tutor (Computer Science & Calculus)

8 Hours per week, part-time employee

**Capital Area Food Bank** *Washington, DC*DEC 2017 - JAN 2018

**=== Community Service Volunteer**

Warehouse organization

**PROJECTS**

**Single Actuator Wave-like Motion in a Submersible Autonomous Vehicle**2016 - 2017

Collaborated with UC Berkeley professor David Zarrouk

Altered “Single Actuator Wave-like Robot (SAW)” project files

Used SolidWorks 2016 (CAD software) & MakerBot Print Software (3D printing)

Optimized efficiency of sinusoidal wave produced by S.A.W.

**ACTIVITIES & ACHIEVEMENTS**

**Clemson Club Swimming**AUG 2017 – PRESENT

**Certified SOLIDWORKS Associate (CSWA) Certification**MAR 2017