

ERIN SYLVE

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OBJECTIVE STATEMENT

Seeking a summer 2020 internship in space systems engineering.

SKILLS

Visual Basic, IBM Rational Systems, Scripting Languages, C, PHP, Java, Git, Quality Function Deployment, Requirements Review, Agile Development, Lifecycle Design, Feasibility Study, System Testing, Project Management, HTML5, Matlab, Labview, Solidworks, Microcontrollers, Data Analysis, Rapid Prototyping, Microsoft Office Suite

EXPERIENCE

Web Systems Developer: 20-40 hrs/wk, Jan 2019 – Present, Texas A&M Bush School of Government and Public Service, College Station, TX

- Crafted, Documented and Presented Artefacts of Quality Function Deployment, requirement review, agile development scheduling, and use case testing for the ~\$50,000 redesign of the Bush School website, web request process, content management system, and hosting.
- Participated in meetings with the heads of IT and Communications for the Bush School.
- Coded New Bush School Website and Intranet in HTML5, CSS3, Javascript, and PHP

LEAP Co-Founder & Board Member: 10 hrs/wk, May 2017- Present, LEAP, San Antonio, TX

- Fundraised over \$50K last term and organized various nonprofit events for the education and betterment of the community including LEAP into STEM (Science, Technology, Engineering, and Mathematics) Camp and the 2017 San Antonio Drone Exhibition
- Drafted and Submitted necessary documents to receive 501(c)(3) status from both the state and federal government

Communication Systems Engineer: 9 hrs/wk, Jan 2018 – May 2018, AggieSat Lab, College Station, TX

- Created and optimized communications requirements for SAMS (Satellite Assembled and Manufactured in Space) Communication system to be sent in a payload and manufactured in space
- Assisted in the design of a deployment test system using Solidworks and Additive Manufacturing

Radio Systems Engineer: 5 hrs/wk, Sept 2017 – Dec 2017, TAMU X-Ray Pulsar Navigation Team, College Station, TX

- Designed a specialized radio antenna to be used by a system of satellites for low-noise, and long-distance communication
- Completed feasibility study on the proposed system architecture of a network of satellites
- Reviewed Requirements and lifecycle design proposed for system of satellites

EDUCATION

Texas A&M University, College Station, TX

(5/2021)

Bachelor of Science in Industrial and Systems Engineering

Minor in Architectural Fabrication and Product Design

Certified Solidworks Associate of Mechanical Design

Northeast Lakeview Community College, Converse, TX

Associate of Art in Liberal Arts

(5/2017)

Judson Early College Academy, Live Oak, TX,

(5/2017)

Distinguished Diploma

AWARDS

Aggies Invent, TLU Calculus Showdown, Number Sense University Interscholastic League, UNCF/Koch Scholar, JQ & Ve Ella Foundation Excellence Award, President's Achievement Scholar, Ernst H & Eva C Gras Scholar, Chevron Scholar, John L, Santikos Scholar, Valero Alamobowl Scholar