

Charles J. Seaver

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Fairfax, Virginia

Education

James Madison University, Harrisonburg, VA

*B.S. in **Engineering** (ABET Accredited) with minors in **Computer Science, Robotics and Mathematics***

Graduation date: May 2021

Experiences

Developed and published the app, “Ring Pop: A Speedrun Game” on Google Play August 2019

- Designed and programmed an android application where players try to fit circles inside the area of the ring though all 90 levels. This application incorporates collisions, user input, graphics, threads, and a database for the global leaderboard.

Texas A&M: Invent for the Planet, placed top 5 globally April 2019 - May 2019

- Worked in a creative team of three, where we designed and pitched a self inflatable aircraft wing cover in a 48 hour global competition. Out of 100+ teams, we were chosen as top 5, and traveled to Texas A&M to compete in the final round.

Innovation X: JMU Bluestone Hackathon, placed top 5 February 2019

- Led a diverse team of four members to design, prototype, and pitch an automatic train derailment detector in a 24 hour hackathon competition. Announced as an honorable mention from the top placing teams.

Human Powered Vehicle Design, Lead Engineer August 2018 - May 2019

- Cooperated in a two semester project of designing and fabricating a human powered vehicle for a client with spastic cerebral palsy. Focused on frame analysis, center of gravity, vehicle performance, and gearing.

Stanley Black & Decker: BuildBox November 2018 - December 2018

- Tested and pitched environmentally friendly trimmer line to the company, Stanley Black & Decker. Recognized with impressed feedback and thanks.

JMU Competitive Intramural Soccer, team captain November 2016 - Present

- Managed and led an intramural soccer team.

Work Experience

James Madison University, Harrisonburg, VA — *Math Tutor* September 2019 - Current

- Refined mathematics skills and helped other students solve algebra, precalculus, and calculus I - III problems.

Amazon, Springfield, VA — *Prime Now Associate* May 2019 - August 2019

- Trained and experienced in Amazon’s Prime now facility process and customer service.

Amazon, Springfield, VA — *Fresh Associate* May 2017 - August 2017

- Trained and experienced in Amazon’s Fresh (grocery) facility process and customer service.

Relevant Skills

- Highly proficient in Java language
- Proficient in Solidworks/AutoCad/Matlab/MS Office
- Excellent at analysis and problem solving
- Experienced in engineering design and prototyping
- Able to demonstrate leadership in teams
- Experienced in working in teams and being a cooperative peer