

Julian Vallyeason

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EDUCATION

Brown University

Providence, RI Class of 2020

Bachelor of Science: Engineering (Chemical), Computer Science-Economics

GPA: 4.0 (out of 4.0); SAT: 2400

EXPERIENCE

Cigna, Actuarial Intern

Hartford, CT, Summer 2018

- **Dental Pricing Team**
 - Built a trend model to price dental insurance premiums for Cigna's health-maintenance-organization network
 - Provided analytical input to automate and improve the efficiency of Cigna's annual rate review process
- **Cross-Disciplinary Team**
 - Worked across underwriting and sales teams to study dental claims across Cigna's plan offerings

Cloud Agronomics, Cofounder

Rhode Island, Sep 2016 – June 2018

- Launched a hyperspectral imaging startup that developed cameras and software for the early detection of citrus canker
- Named one of AmericanInno's 25 Under 25 in the state of Rhode Island
- Led market research into crop insurance pricing and raised early-stage and seed funding for the company:
 - Brown Venture Prize (2nd)
 - Dorm Room Fund Convertible Note
 - Hult Prize Ivy Finalist
 - MIT Agribusiness Finalist
 - Penn Aerospace Competition (3rd)
 - GetStarted RI

World Resources Institute, Data Analytics Intern

Washington DC, Summer 2017

- Developed text analysis tools using social media API's to engineer a data-driven strategy for forest restoration

ACADEMIC RESEARCH

Brown University, Department of Engineering

Rhode Island, Sep. 2016 – Present

- **Brown Space Engineering: Payload Team Lead**
 - Led a team of 5 students to develop a robotic arm for a NASA-sponsored cube satellite launch
- **Brown Space Engineering: Lead Battery Researcher**
 - Executed compliance testing protocol for LiFePO₄ batteries for EQUISAT (a NASA ELaNa satellite launch)

University of Maryland, Department of Neuroscience

College Park MD, June 2015 – Feb 2016

- Automated crayfish interactions using MATLAB to measure changes in aggression following sensory stimulation

UNIVERSITY JOBS AND ACTIVITIES

Brown Journal of World Affairs, Business Manager

- Led the journal in liaising with online distributions services and managed digital sales

Selected Hackathons

- Hack@Brown: Community Organizer (Hardware Team)
- Hack MIT: Goldman Sachs Data Visualization Prize (2nd)

Student Employment

- Department of Mathematics: MATH 0100 (Introductory Calculus) Grader Sep. 2017 - Present
- Department of Engineering: ENGN 0510 (Electricity & Magnetism) Grader Sep. 2018 - Present
- Department of Engineering: Engineering Lab Teaching Assistant (TA) Jan. 2017 – May 2018

Languages: English (native), French (Professional), Mandarin (Working)

Software and Programming: Proficient in MATLAB, Python, Java, Mathematica, SolidWorks, Autodesk Eagle

Music: Royal Conservatory of Music Piano Performance Level 10 (First Class Honors)