

Julian Vallyeason

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EDUCATION

Brown University

Providence, RI Class of 2020

Bachelor of Science: Chemical Engineering, Applied Math-Economics

GPA: 4.0; SAT: 2400

Honors: Engaged Scholars Program, Tau Beta Pi, Honors Thesis

EXPERIENCE

D.E. Shaw, Incoming Proprietary Trader Intern

New York, NY, Summer 2019

- Working two rotations on a discretionary strategies desk in commodities and as a quantitative researcher

Cigna, Actuarial Intern

Hartford, CT, Summer 2018

- **Dental HMO Pricing Team** - Built a trend model for dental health-maintenance organization (DHMO) rate data
 - Used SQL to analyze Cigna's dental claims database for use in the company's annual rate review process
 - Automated the annual trend model using Visual Basic to speed up pricing
- **Dental Plan Offering Team** - Classified differences in levels of customer use across different insurance plan models

Cloud Agronomics, Cofounder

Rhode Island, Sep 2016 – June 2018

- Launched a hyperspectral imaging company that develops cameras for the early detection of crop disease
- Raised early-stage, seed funding for the company:
 - Brown Venture Prize (2nd)
 - MIT Agribusiness Finalist
 - Dorm Room Fund Seed Round
 - Rough Draft Ventures Seed Round
 - Hult Prize Ivy Finalist
 - American Inno 25 Under 25

World Resources Institute, Data Analytics Intern

Washington DC, Summer 2017

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

ACADEMIC RESEARCH

Brown University, Department of Engineering

Rhode Island, Sep. 2016 – Present

- **Chemical Engineering Researcher**
 - Studied the applications of graphene's architecture as an environmental absorbent of toxic microparticles
- **Brown Space Engineering: Payload Team Lead**
 - Led a team of students to prototype and engineer a robotic arm attached to a satellite
 - Executed space-grade testing of LiFePO₄ batteries for EQUISAT (a NASA satellite launch)

UNIVERSITY JOBS AND ACTIVITIES

Brown Journal of World Affairs, Business Manager

- Led the journal in liaising with online distributions services and launched the journal's digital sales presence

Selected Activities

- Hack@Brown: Hardware Team Lead
- Hack MIT: Data Visualization Prize (2nd) [sponsor prize awarded by Goldman Sachs]

Student Employment

- Department of Engineering, Department of Mathematics: Student Grader Sep. 2017 – Present
- Department of Engineering: Lab Teaching Assistant (TA) Jan. 2018 – Present

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

Software and Programming: Proficient in MATLAB, Python, Java, SQL, OCaml, Scala, Mathematica

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