

Lucas Manning

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497 Westport Avenue
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WORK EXPERIENCE

TerraVuze, Princeton, NJ (terravuze.com)

Virtual Reality startup creating and delivering VR adventures for outdoor retailers/brands

Cofounder / CTO

Summer, 2018

- Accepted into Princeton University's startup accelerator, raised \$25,000 (one of 50 teams)
- Conceptualized, designed, and engineered product as sole developer on 4 person team
- Went from concept to live product with two retail and brand partners in 8 weeks
- Engineered key IT systems for the new company from the ground up
- Implemented data collection system to keep track of customer engagement and feedback

Princeton Election Consortium, Princeton, NJ (election.princeton.edu)

Website specializing in technical content relating to electoral politics run by neuroscience Professor Sam Wang

Web Administrator / Data analyst

May 2018 - Present

- Personally selected by Professor Wang from large pool of applicants
- Overhauled and redesigned 14 year old Wordpress blog using React and D3.js
- Wrote scripts to scrape/analyze electoral polling data used for content viewed over 10k times/week
- Created data visualizations to increase user engagement using D3.js
- Administered custom Linux Server on a day-to-day basis monitoring health and security

WellSheet, New York, NY (wellsheet.com)

Digital health startup creating an ML backed web app to increase physician efficiency at the point of care

Full Stack Intern

Summer 2017

- Sole freshman selected to participate in Princeton Startup Immersion Program in pool of 380+ applicants
- Worked closely with CTO engineering frontend and backend solutions shipped to production
- Created live demos presented to potential investors and partners
- Developed critical frontend app features using React and Meteor
- Assisted in managing major refactor of backend systems transitioning from Meteor to Rails

TECHNICAL SKILLS

Languages with Practical Experience and Proficiency

- Javascript, Python, C/C++, Java, C#, Ruby, x86 Assembly, MATLAB, SQL, CSS, HTML

Tools/Frameworks/Libraries with Practical Experience and Proficiency

- React, Meteor, Ruby on Rails, Sinatra, Unity3D, Flask, Django, Numpy, Pandas, MongoDB, Sqlite, Bootstrap, AWS, Linux, Oculus SDK

EDUCATION

Princeton University, School of Arts and Sciences, Princeton, NJ, Class of 2020

- Pursuing A.B. in Computer Science and Certificate in Entrepreneurship, GPA 3.4/4
- Requested by professor Bob Dondero to lecture Advanced Programming Techniques (COS 333) on React and its applications
- Relevant Coursework includes: Computer Graphics, Computer Vision, Distributed Systems, Systems Programming, Algorithms and Data Structures, Advanced Programming Techniques, Reasoning About Computation, Linear Algebra, Multivariable Calculus

Staples High School, Westport, CT, Class of 2016

- Ranked in top 5% of competitive 480 student graduating class, GPA 4.3/4.5
- Earned AP Scholar award with coursework in Calculus BC, Physics C, Micro/Macro Economics, Language
- Spent ~10 hrs/week self-teaching the basics of programming; able to skip intro classes at Princeton

ATHLETIC ACHIEVEMENTS

- Train 20+ hours per week as a member of the D1 Varsity Lightweight Rowing Team
- Selected to represent USA at the 2015 Junior World Championships
- Voted Team Captain for both Junior and Senior Years on High School Team