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EDUCATION

Cornell University, College of Engineering, Ithaca, NY

May 2020

Bachelor of Science, Mechanical Engineering

Masters of Engineering, Systems Engineering (expected December 2020)

Cambridge University, Cambridge UK

July-August 2018

Engineering Summer Programme (Sustainable Energy, Jet Propulsion, Nanotechnology, Quantum Mechanics)

Relevant Courses: Object-Oriented Programming (CS 2110); Industrial Data and Systems Analysis (ORIE 3120);

Mechatronics (MAE 3780); Introduction to Python (CS 1110); Data Visualization (CS 3300); AI Practicum (CS 4701)

Awards & Recognitions: Fichtl Innovation Award for "Most Innovative and Developed Concept" (2x recipient);

Cornell Ryan Scholar, Kessler Fellows Program 2019 Cohort, 2nd Place TAMID Tank Pitch Competition, Mark Clayton III Most Improved Sprint Football Player, Cornell Beck Fellow 2020,

RELEVANT EXPERIENCE or ENGINEERING EXPERIENCE

Titan Analytics, Ithaca, NY, *Founder*

Aug. 2017-Present

- Directing a team of 16 in a growing sports analytics startup
- Created a workable product to attain data direct from football video files that converts uploaded footage into tangible statistics using machine learning and computer vision
- Delivering weekly insights through scouting reports to select NCAA teams
- Raised 22K in funds from pitch competitions and investments (<https://titansportsanalytics.com>)

VICIS, Seattle, WA, *Product Designer*

Jun. 2019-Nov 2019

- Worked directly under the VP of technology to assist in a variety of analytics and software projects
- Developed proprietary predictive algorithms for VICIS products fit recommendations using machine learning and fundamental mechanical concepts
- Generated automated analytics reports for current existing models to find edge and failure cases much quicker
- Consistently met with an outside contractor to collaborate on IOS development and integration of outside libraries into the current product line

Life Changing Labs Incubator, Ithaca, NY, *Resource Manager*

Jun. 2018-Jul 2018

- Managed the distribution and usage of the digital and physical resources for the LCL incubator
- Improved LCL program by adding additional resources and outside professional help
- Connected cohort teams with experts in the field and investors to assist product development

Cornell Entrepreneurship Hub (EHub), Ithaca, NY, *Building Manager, CTO*

June 2018 - Present

- Reformed existing policies and overseeing the Cornell Ehub building to provide an effective workspace for entrepreneurs
- Retrofitted the entire building with efficient wiring and technology to cut down on room failures by 80%
- Vetted and screened student startups to determine eligibility for space access and access to eShip resources
- Collaborated directly with student founders to communicate problems and feedback to office of entrepreneurship

Plug and Play *Plug and Play VC Analyst*

Oct 2019 – May 2020

- Evaluated 10-20 startup pitch deck submissions every week to help determine whether to invest in companies
- Discussed select pitch decks from submissions in group calls twice a month with full time Plug and Play partners
- Learned the steps and different approaches used by full time VC's to evaluate startup investment potential

COMMUNITY INVOLVEMENT

Varsity Sprint Football, *Social Chair*

Aug. 2016-May 2020

- Student athlete, balancing course load with 18 hours/week practices and weekend games
- Responsible for organizing social events to help foster positive team culture and bonding

SPECIALIZED SKILLS

General Skills: Machine Learning, Data Analysis, Data Visualization, Product Development, Business Development, Pitching / Pitch Deck Creation, Graphic Design

Programming Languages: Java, Python, MATLAB, SQL, PHP, HTML/CSS, R, VBA, Javascript

Programs: SolidWorks, ANSYS, Autodesk, Photoshop, Publisher, Cloud Compare, Github, Inventor, Excel, Google Cloud

Foreign Languages: English (fluent); Spanish (fluent);

Interests and Passions: Football, Soccer, Analytics, Aerospace Design, Automation Engineering