James Holden

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EDUCATION

University of New Hampshire	August 2014-May 2018

B.S. in Computer Science

EXPERIENCE

Pali Institute	Running Springs, California
B Certification and Accreditations Coordinator	August 2018 - March 2020

- Project lead to attain certification as a B Corporation for Pali Institute
- Research and implement business practices to promote a triple bottom line (People, Profit, Planet)
- Managed and advised 80 instructors in daily operations

Outdoor Education Ropes Lead
- Instructed accredited science courses tostudents
- Lead Ropes instructor on ropes courses; maintained exceptional standards in accordance to policy
- Lead team building sessions that developed group communication, trust, and ownership

New Hampshire Outing Club (NHOC)	Durham, New Hampshire
Business Manager (Elected)	May 2016 - May 2017

- Managed all NHOC business operations - funded $50,000 per fiscal year with several hundred members
- Implemented financial proposals for operations; presented to university committee for approval
- Designed budget for the following fiscal year

YMCA Camp Santa Maria	Bailey, Colorado
Adventure Coordinator	Summers 2016 - 2018

- Supervisor of staff for successful operation of all outdoor rec activities
- Trained, advised, and lead staff for rock climbing, mountain biking, and backpacking
- Counselor for developing young leaders in the Counselor In Training program

NOTABLE PROJECTS

Extraterrestrial Navigation Swarm (ET-NavSwarm)
- Collaborated with interdisciplinary engineering team
- Developed swarm of rovers with the goal of AI extraterrestrial exploration
- Coded for the rover's individual controls as well as swarm behaviour

Rapidly-Exploring Random Tree (RRT)
- Individual AI project to evaluate the performance of robotic path planning - C++ and Python
- Analyzed results of different implementations of RRT algorithm
- Wrote technical report in AAAI standard - available to view on request

INVOLVEMENT

SurveySwarm
- Collaborated on business model to adapt tech of ET-NavSwarm to land surveying industry - C++
- Presented proposal to panels of industry leaders
- Won third in the Holloway Entrepreneurship Competition

Global Inheritance
- Promoted environmental conservation through public outreach
- Advocated for non-profit 501(c)(3) sustainability organization
- Facilitated programming to promote organization mission