Sean Knight

Phone: (360)787-0177 ● Email: seknight@mit.edu ● Website: knightsean00.github.io

EDUCATION	**Massachusetts Institute of Technology (MIT)**	**Cambridge, MA**

EDUCATION

Massachusetts Institute of Technology (MIT) — **Cambridge, MA** / June 2023
Computation and Cognition Major with Business Analytics Minor
Relevant Coursework: Introduction to Computer Science (6.0001),
Fundamentals of Programming (6.009), Mathematics for Computer Science
(6.042)

Mountain View High School — **Vancouver, WA** / June 2019
AP Computer Science 5; AP Computer Science Principles 5

Carnegie Mellon University — **Pittsburgh, PA** / July 2018
Attended AI-4-ALL Summer Camp to learn more about machine learning and
artificial intelligence.

WORK EXPERIENCE

United Home Technologies — **Vancouver, WA** / March 2017 – August 2019
IT and Web Developer
- Collaborated with coworkers to create and redesign numerous websites for revised company image.
- Managed servers and domains to keep website and email running properly.

RESEARCH EXPERIENCE

MIT Quest for Intelligence Initiative — **Cambridge, MA** / June 2020 – September 2020
- Worked to improve sub-seasonal weather forecasting by implementing AutoKNN regression algorithm.
- Expanded existing sub-seasonal weather forecasting models to predict on the contiguous U.S. region by updating both data pipelines and the models themselves.
- Improved sub-seasonal model performance by adding MEI and MJO data as an input.

LEADERSHIP EXPERIENCE

MIT Undergraduate Association Events Committee — **Cambridge, MA** / October 2019 – Present
Committee Member
- Cooperated with other committee members to plan MIT FallFest 2019 and various other events, which collectively sold hundreds of tickets

HackMIT — **Cambridge, MA** / February 2020 – Present
Logistics and Marketing Committee Member
- Responsible for organizing judging and workshopping sessions
- Created assets for use on the HackMIT website and other associated branding platforms.

FTC Robotics Team — **Vancouver, WA** / September 2017 – June 2019
Captain
- Led programming team to develop code for use in competitions ranging from local to state level. Led efforts to redesign team website which improved team image and helped gain sponsors.

SKILLS

Computer: Python, Java, JavaScript, HTML, CSS, Various Linux Distributions, Keras and other assorted machine learning libraries, Flask and other assorted backend frameworks, Adobe Photoshop, Adobe Illustrator, Git

Language: Chinese (Conversational)