# Braden Hitchcock

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## EDUCATION

**Master of Sciences in Computer Science/Software Innovation** *April 2020*
*Oregon State University, Corvallis, OR* *3.65 GPA*

- Coursework includes software engineering, project management, distributed systems, database management systems

**Bachelor of Sciences in Computer Science** *April 2018*
*Brigham Young University, Provo, UT* *3 .66 GPA*

- Coursework includes software engineering, networking, computer security

## PROFESSIONAL EXPERIENCE

**Software Engineering Intern** *May 2017 – Jan. 2019*
*Northrop Grumman, Boulder, CO*

- Developed a framework in Java and C++ for altering the workflow of distributed data processing applications at runtime, reducing coupling among system components
- Developed a C++ API for applications running in a modular framework environment, reducing third-party app code count by 70 percent
- Designed and implemented frontend user interfaces in Angular and ReactJS for various company projects, helping the company move towards a more cloud-based environment

**Web Developer/Computer Technician** *Jan. 2016 – Sept. 2017*
*Brigham Young University Alumni Association, Provo, UT*

- Designed and implemented online tools using various web technologies, including PHP, MySQL, and JavaScript, successfully automating reporting responsibilities for alumni leaders
- Assisted in planning and implementing the upgrade of major association websites to use the open source Drupal PHP framework, significantly reducing maintenance overhead

## PERSONAL PROJECTS

**Python Picos API**
*Contributing to PicoLabs at Brigham Young University*

- Developed Python API for testing and interacting with the pico engine, an actor-based event-driven framework for developing Internet of Things technologies

## LEADERSHIP EXPERIENCE

**Volunteer Representative** *July 2013 – July 2015*
*The Church of Jesus Christ of Latter-day Saints, Daejeon, South Korea*

- Trained volunteers on improving their teaching, language, learning, and interpersonal skills
- Gained fluency in Korean, facilitating our objective to assist others in improving the quality of their lives and achieving their goals

## HONORS & AWARDS

- Eagle Scout Award
- U.S. government issued Secret security clearance