

# **Benjamin Taufen**

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## **Education**

**University of St. Thomas**, St. Paul, Minnesota

Graduation: May 2018

Major: **Computer Science**, Minor: **Mathematics**

GPA 3.9/4.0

## **Related Courses**

Data Structures, Information Security, Object Oriented Design, Operating Systems, Database Design, Multi-variable Calculus, Differential Equations

## **Internship Experience**

**IT and Application Development Intern**, Xcel Energy Nuclear Power Plant, Monticello, MN

February 2016-June 2016

- Proofread and reported mistakes in code for system upgrading utilizing programming knowledge and keen attention to detail
- Acquired knowledge of building systems to represent data necessary for nuclear energy
- Learned valuable communication skills while working within an IT team

## **Research Experience**

**University of St. Thomas**, *Research Assistant*, St. Paul, MN

September 2016-Present

- Collaborate with professor to research to improve database querying using metadata
- Create algorithms to speed queries using compression schemes and metadata
- Analyze data to determine how to implement these algorithms into the query process
- Develop query engine and test bed using Java

## **Projects**

**Voice Automated Drink Machine**

January 2017

- Learned python to program Alexa Skills Kit using AWS Lambda
- Researched and implemented AWS IoT to communicate with Raspberry Pi GPIO
- Collaborated with friend to build machine from ground up

## **Skills and Interests**

- Proficient in Java through coursework and research
- Competent in Linux by using Raspberry Pi for projects
- Familiar with C, Python, SQL, HTML and MatLab through courses and projects
- Obtain strong time management skills to balance academics, lacrosse, work and research

## **Activities**

**Coach**, Monticello Varsity and Youth Lacrosse Teams – Monticello

Spring 2014-Present

- Develop leadership and teaching skills while motivating young athletes to compete
- Coach and train over 40 young athletes

**Player**, Lacrosse Team – University of St. Thomas

Fall 2014-Present

- Executed under high-stress situations to win the 2016 MCLA National Championship
- Scored 30 goals and competed at a high level because of hard work, self-motivation, and training up to 14 hours a week

**Member**, Computer Science Club – University of St. Thomas

Fall 2016-Present