

# Kent K. Sommer

SOFTWARE ENGINEER · ROBOTICIST

2161 County Road B West, Roseville, MN 5513

☎ (+1) 952-846-9355 | ✉ kent.sommer13@gmail.com | 🏠 www.kentsommer.xyz | 📱 kentsommer | 🌐 kentsommer

## Education

### University of Minnesota

Minneapolis MN, USA

B.A. IN COMPUTER SCIENCE

2013 - 2016

### KAIST (Korean Advanced Institute of Science and Technology)

Daejeon, South Korea

M.S. IN COMPUTER SCIENCE AND ENGINEERING

2016 - PRESENT

## Experience

### The Toro Company

Minneapolis MN, USA

DESKTOP ANALYST

May 2012 - Aug. 2012

- Responsible for Windows 7 site wide deployment, as well as the iPad loaner program creation and documentation.

### The Toro Company

Minneapolis MN, USA

BUSINESS INTELLIGENCE ANALYST

May 2013 - Aug. 2015

- Responsible for QlikView and SAP integration and change management.
- Provided support and training to business users using QlikView.

### Yujin Robot

Geumcheon-gu, South Korea

INNOVATION TEAM INTERN

May 2014 - Sept. 2014

- Responsible for new obstacle detection stack utilizing PCL, ROS, and OpenCV.
- Assisted with the creation of the next iteration of Yujin's SLAM technology (D-SLAM).
- Upgraded six android applications for ROS Indigo.
- Responsible for various bug fixes throughout the ROS indigo software stack

### Cybertrol Engineering

Minneapolis MN, USA

SOFTWARE ENGINEER INTERN

Aug. 2015 - Jul. 2016

- Responsible for custom .NET software designs, implementation, and testing.
- Responsible for research and development related to systems integration.

## Skills

### Programming Languages

C++, C, C#, JAVA, PYTHON, SCHEME, HTML

### Tools and Libraries

QT, ROS, MATLAB, UNIX, OPENCV, PCL

### Languages

FOREIGN

- Full professional proficiency in Swedish
- Elementary proficiency in Korean

### Other

PERSONAL

- Good at communicating technical terms in easy to understand language
- Excellent troubleshooter
- Work well in teams
- Quick learner

## Extracurricular Activity

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### North Shore Philharmonic Orchestra

VIOLIN SOLOIST

- Performed a concert series as the soloist for Mozart's fourth violin concerto

*Duluth MN, USA*

*Jun. 2014*

### Ethno

UNITED STATES FOLK MUSIC REPRESENTATIVE

- Taught workshops on American folk music to students from all over the world

*Rättvik, Sweden*

*Jul. 2016*

## Honors & Awards

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2013    **3rd Place**, 11 Mens Morris AI Game Competition

*Minneapolis MN,*

*USA*