

# Bjørn Mathisen

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## EDUCATION

**Principia College**, Elsah, Illinois

Aug 2014 – Dec 2018

- B.S. in Computer Science
  - Highlighted Courses: Software Architecture, Computer Hardware Architecture, Software Engineering

## WORK EXPERIENCE

**Zerma**, Northbrook, Illinois

Jan 2019 – Jun 2019

- Field Engineer
  - Traveled to over a dozen States maintaining strict industry standards for the installation of granulators, shredders and other industrial sized equipment which included the physical installation and wiring/debugging of the control panels.
  - Maintained an inventory of knives, motors and other maintenance items for shredders, worked with shipping and handling to maintain consistency of records.
- General IT
  - Created an Access Database linked with Excel from 15 different data sources using a Python web crawler. Created an email automated email campaign with over 12 thousand contacts using in house systems.
  - Performed maintenance on inventory management computers and sped up operating speeds by eighty percent.

**McHenry County Conservation District**, McHenry, Illinois

May 2014 – Aug 2018

- Season Maintenance Construction Worker
  - Worked with a crew of two individuals who operated out of a shop to maintain over forty different parks, buildings and other sites. Duties includes construction work, pouring concrete, building structural maintenance and electrical work.

**Observatory Manager & Engineering TA**, Elsah, Illinois

Jan 2015 – Dec 2018

- Observatory Manager
  - Organized and trained over eight student operators; maintained the observatory schedule and organized public campus-wide events on a weekly basis.
  - Updated training manuals and facilitated the upgrade from DOS to EXP for the telescope control system.

## AWARDS & SCHOLARSHIPS

- Eagle Scout, Earned in Spring of 2012, Boy Scouts of America 2008 – 2012
  - Attained the rank of Eagle, the highest and most prestigious of all the ranks in Boy Scouts.
- Competent Communicator, Toastmasters International May 2005
  - For delivering 10 speeches and satisfying the requirements for the Competent Communicator Award.

## CAMPUS ACTIVITIES

**Astronomy Club**, Principia College

- President Jan 2015 – Dec 2018
  - Created and advertised activities for students campus wide, organized campus presentations with Dr. Laurance Doyle of NASA SETI program.

**Solar Car**, Principia College

- Member

## LANGUAGES

- English: Native language.

## SKILLS

T<sub>E</sub>X, C++, C#, .Net, Python, Java, C, SQL, MySQL Scrum, Agile Development, Unit Testing/Automated Testing, Visual Studio/Eclipse/VI, Linux, Windows Adobe Photoshop, Microsoft Word, Microsoft Excel, Microsoft PowerPoint, strong communication skills.

## INTERESTS

Digital photography, Hiking and Camping.

## REFERENCES

- **Dr. Tom Fuller**  
Professor of Computer Science and Head of the Computer Science Dept.  
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