

# Bjørn Mathisen

1511 Laurel, St Paul, Minnesota, 55104  
contact@bjornmathisen.com • +1 (224) 622-8543 •

## EDUCATION

**Principia College**, Elsah, Illinois

Aug 2014 – Dec 2018

- B.S. in Computer Science
  - Highlighted Courses: Programming Languages, Data Structures, Database Management Systems, Object-Oriented Programming, Hardware Architecture, Software Engineering, WebDev, Operating Systems, Compilers

## WORK EXPERIENCE

**Zerma**, Northbrook, Illinois

Jan 2019 – Jun 2019

- Field Engineer - Contract
  - Traveled to various Central and East coast States maintaining strict industry standards for the installation of granulators, shredders and injection molding machines (industrial factory equipment) this included the physical installation and wiring of the control panels.
  - Gained the ability to follow complex wiring diagrams used to debug problems in the operation of the machine.
- General IT - Contract
  - Wrote a python web crawler using lxml requests that scrapped information together for an ad email campaign with 12 thousand contacts generated from website visits. Used this data to create a relational database of customers accessible from a Access. Performed maintenance on inventory management computers and sped up operating speeds by eighty percent.

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

May 2014 – Aug 2018

- Maintenance Construction Worker - Seasonal
  - Worked with a crew to maintain over eighty different parks, buildings and other sites. Duties includes construction work such as framing, pouring concrete, roofing, building structural maintenance and electrical work.

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

Jan 2015 – Dec 2018

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

## AWARDS & SCHOLARSHIPS

- Eagle Scout, Earned in Spring of 2012, Boy Scouts of America  
Attained the rank of Eagle, the highest and most prestigious of the ranks in Boy Scouts. 2008 – 2012
- Communicator Award, Toastmasters International May 2005

## CAMPUS ACTIVITIES

**Astronomy Club**, Principia College

Jan 2015 – Dec 2018

- President
  - 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

- Primary Languages
  - C++, C#, .Net, Python, C, SQL, MySQL Scrum
- Familiar With
  - HTML, CSS, Agile Development, 1 Java, 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.  
Principia College  
1 Maybeck Place, Elsah, Illinois 62028, USA  
tom.fuller@principia.edu
- **Martina Carter**  
Contracted to perform website installation and maintenance.  
Greater Chicago Area, IL  
Phone: 847-912-7994