

265 Melody Lane,
Carpentersville, IL, 60110

BJØRN MATHISEN

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EMPLOYMENT HISTORY

Field Engineer	Zerma, IL	January 2019 -- Present
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- Installed and programmed both small- and large-scale granulators and grinders for industrial factories across the United States.
- Installed and repaired injection molding machines across the United States.
- Performed maintenance on inventory management computers and sped up operating speeds by 80 percent before the installation accounting software.

Observatory Manager	Principia College, IL	January 2015 -- December 2018
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- 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.
- President of the Astronomy Club which organized field trips and maintained a member count of over twenty five students.

Engineering TA	Principia College, IL	August 2016 – May 2017
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- Worked as a TA for the engineering department overseeing the 3D printing class and hardware lab.
- Helped students construct their own 3D printers and answers about homework and modeling software.

Season Construction Worker	McHenry County Conservation, IL	2014 -- 2018
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- Worked as an independent building and land maintenance seasonal employee.
- Maintained over 40 different parks and other sites infrastructure as well as general building maintenance.

EDUCATION

Elsah, IL	Principia College	May 2014 – December 2018
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- B.S in Computer Science, December 2018
- Undergraduate Coursework: Software Engineering, Operating Systems, Databases, Programming Languages, Comp. Hardware Architecture, Engineering Entrepreneurship, Calculus I; Discrete Mathematics.

TECHNICAL EXPERIENCE

Projects:

- **Customer Management System** (2019). Desktop WPF C# application developed for a client that allows the user to manage bookings, clients, and view a calendar of future gigs, all hosted on a virtual SQL server.
- **Club Budgeting Tool** (2017). Using SCRUM workflow I developed a desktop C# Windows Forms application allowing students to login and access club budget information, create and store documents on a SQL server accessible from two GUIs. One being a normal user-level access, and the other being an admin-level access.
- **Python Chat Server and Client** (2018). Using Agile/Scrum development cycles a server client GUI written in python with the ability to host multiple users, send private messages, and retain private messages when the user is offline.

ADDITIONAL EXPERIENCE AND AWARDS

- **Eagle Scout**

Languages and Technologies

- Python, C++, C, C#.NET, SQL, XML, Java, Objective-C, Low-Level Systems.
- Visual Studio, Microsoft SQL Server, Eclipse, Linux, Agile, SCRUM, DevOps, Unit Testing.