

265 Melody Lane,  
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# BJØRN MATHISEN

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## EMPLOYMENT HISTORY

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<b>Field Engineer</b>	<b>Zerma, IL</b>	<b>January 2019 -- Present</b>
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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.

<b>Observatory Manager</b>	<b>Principia College, IL</b>	<b>January 2015 -- December 2018</b>
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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.

<b>3D Printing TA</b>	<b>Principia College, IL</b>	<b>August 2016 – May 2017</b>
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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.

<b>Season Construction Worker</b>	<b>McHenry County Conservation</b>	<b>2014 -- 2018</b>
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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

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<b>Elsah, IL</b>	<b>Principia College</b>	<b>Fall 2014 – December 2018</b>
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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

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### 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). Developed 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

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- **Eagle Scout**

### Languages and Technologies

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- Python, C++, C, C#.NET, SQL, XML, Java, Objective-C,
- Visual Studio, Microsoft SQL Server, Eclipse, Linux.