

# Aaron Heidgerken-Greene

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## Experience

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### Science Museum of Minnesota

*Exhibit Prototyper*

**St. Paul, MN**

*02/2010–Present*

- Gather ideas and content to translate into exciting, engaging interactive experiences for visitors.
- Research and utilize current technologies to aid in the prototyping process.
- Design, engineer, and fabricate exhibit prototypes for testing and evaluation.
- Evaluate and redesign prototypes to maximize durability and functionality.
- Fabricate final exhibit components.
- Document research and build process using CAD drawings, electrical diagrams, flow charts, and technical writing.

### Retrofit

*Owner/Chief Engineer*

**Minneapolis, MN**

*11/2015–Present*

- Establish and maintain contacts with clients and potential customers.
- Formulate accurate bids in response to requests for quotes.
- Collaborate with clients to design interactive exhibitry.
- Budget and track expenses, adapting designs as necessary.
- Program and debug software-to-hardware interfaces.
- Design electronic control mechanisms and integrate into final exhibitry.

### KSTO Radio

*Station Manager*

**Northfield, MN**

*05/2007–05/2009*

- Directed day-to-day operations of campus radio station.
- Coordinated music directors' charting and adding of new music.
- Budgeted finances for the year including payroll and capital improvements.
- Organized station events and delegated public relations to and PR director.

## Skills

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**Languages** Bash, C++, Python, Arduino/AVR programming, Node.js, PHP, HTML/CSS/Javascript

**Software Tools** git, Basecamp, Linux/Unix, MIDI, L<sup>A</sup>T<sub>E</sub>X

**Fabrication Tools** Table and band saws, laser cutters, metal lathes and mills, MIG welding

**Programs** Adobe CS6, AutoDesk AutoCad and Eagle, SketchUp, Google Docs, Microsoft Office

## Education

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### St Olaf College

*BA, Math, Physics, Cum Laude*

**Northfield, MN**

*09/2005–05/2009*