# GRANT BARLAND

gbarland@gmail.com – (952) 242-6005 – St. Paul, MN –
www.linkedin.com/in/grant-barland

---

## EDUCATION

### University Of St. Thomas
BS Electrical Engineering

Sep. 2015 – Jun. 2019
St. Paul, MN

- GPA: 3.6

---

## EXPERIENCE

### Great River Energy
Transmission Line Design Intern

Aug. 2017 – Jun. 2019
Maple Grove, MN

- Responsible for the design and replacement of 83 transmission poles valued at $1,320,000. Maintain a database of pole information used to diagnosis transmission line health.

### Unified Theory, Inc.
Electrical Engineer

Jun. 2019 – Present
St. Paul, MN

- Assisting a Power and Controls engineering team to design Process equipment, Industrial Control Systems, and perform Arc Flash studies.

### SKILLS

- Programming Languages: Python, C, Matlab
- Tools: Office 365, PLS-CADD

---

## PROJECTS

### QR Encryption Research Project Python              https://github.com/gbarland/QRcrypt
Research focused on cryptography for QR Codes. Responsible for writing & presenting entire encode/decode program for a QR Code within Python.

### Antlights Senior Design Project Arduino, C++
Capstone project aiming to build a dynamic LED taillight solution for bicycling safety. Working extensively with low power, battery operated microcontroller programming.

---

## AWARDS

### CAM Outstanding Research Award                                          Dec. 2017
Recognized for the faculty favorite research project amongst the dozen other projects in mathematics research UST Center for Applied Mathematics