

# JOSHUA ILLG

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I am a knowledgeable, self-motivated, and detail-oriented full stack web developer who possesses strong analytical and technological skills, well-developed written and oral communication skills, and performs well in a team and independently.

## EDUCATION

**Metropolitan State University**, St. Paul  
B.S. Industrial and Applied Mathematics  
Kappa Mu Epsilon Honor Society  
Graduate with Honors (Current GPA 3.95)  
Anticipated December 2020

### Courses

- Mathematical Modeling, Stochastic Processes, Optimization, ANOVA, Regression, Real Analysis, Numerical Analysis, Object Oriented Programming, etc.

### Notable Projects

- Housing Prices — Completed a regression analysis in R Studio of a large-scale real-world data set.
- Service Times — Developed a composite stochastic model using Excel for service times at a local coffee shop based on collected data.
- Viral Marketing — Developed a Markov-based deterministic model using Visual Basic for a viral marketing strategy.

**University of Minnesota**, Twin Cities  
Full Stack Web Development Certification  
Anticipated December 2020

**Inver Hills Community College**, Inver Grove Heights  
Associate of Arts, Mathematics Focus  
May 2018

## EXPERIENCE

**INDEPENDENT SCHOOL DISTRICT 196,**  
ROSEMOUNT/APPLE VALLEY/EAGAN

**Multimedia Technologies Instructor**, Eastview High School  
2016 to Present

- Taught high school students to use computer aided design/modeling software.
- Designed and iterated upon 2.5-month curriculum for students to follow.
- Collaborated with full-time teaching staff.
- Started as a volunteer, later promoted to an employee.

## TECHNOLOGY SKILLS

**Coding Languages:** CSS, HTML, Java, JavaScript, Python, R, Visual Basic

**Statistical Analysis Applications:** R Studio, Minitab, Excel

**Multimedia Software:** Adobe Creative Cloud (Photoshop, Premiere Pro, etc.)

I am confident in my ability to quickly learn and master new languages and software packages in order to meet new demands and needs within industrial positions.