

# MATTHEW BUNGE

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## EDUCATION

**University of Washington**, Seattle, WA

Bachelor of Science in Computer Science and Economics, August 2017

Cumulative GPA: 3.19

## SELECTED COURSEWORK

Database System Internals  
Hardware/Software Interface  
Compilers  
Data Structures

Machine Learning  
Artificial Intelligence  
Econometrics  
Computational Biology

## PROJECTS

**MLB Showdown**, Personal

- Created Java engine for the simulation of a competitive card game
- Designed GUI using Swing that allows for drafting of teams and modification of lineups
- Devised syntax to simplify strategy cards and allow for new creations

**Matthewbunge.com**, Personal

- Developed personal website to showcase various projects and activities
- Built several game utilities using various JavaScript technologies like jQuery and AngularJS for various games
- Optimized load times to handle heavy content like videos and embedded images

**SimpleDb**, School

- Implemented simple relational database in Java
- Constructed log based recovery system to preserve data integrity in case of error
- Developed thread lock system to prevent bad writes and inaccurate reads

**Mexican Healthcare**, School

- Composed R script to filter and analyze data related to C-sections in Mexico
- Created data visualizations with Tableau to assist data filtration
- Wrote report on effectiveness of various predictors of C-sections

## SKILLS

**Languages:** Java, R, SQL, Python, JavaScript, Ruby, C#

**Databases:** Amazon Web Services, Microsoft Azure

**IDEs:** Eclipse, IntelliJ, RStudio, Visual Studio

**Other:** Unix, Tableau, D3.js, jQuery, AngularJS

## ADDITIONAL

- Economic focuses include emerging markets and game theory
- Experience with video production and public speaking