# HYUNSEOK(AIDEN) JUNG

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## EDUCATION

Bachelor of Arts,
Computer Science & Mathematics
with Statistics Concentration
Aug 2018 - Present
Grinnell, Iowa

**Grinnell College**

Cumulative GPA : 3.82 / 4.00
Major GPA(CS) : 4.00 / 4.00
Major GPA(Math) : 3.83 / 4.00
Concentration GPA(Stat): 3.78 / 4.00

## WORKING EXPERIENCE

Computer Technician Sergeant
Aug 2018 - Mar 2020
South Korea

**Republic of Korea Army**

- Managed servers for military network and manipulated telecommunication equipment.

## PROJECTS

Matching Audio and Video - Python — Dec 2021 - Jan 2022

- Developed AVOL(Audio-Visual Object Localization) network to match audio and video, using tensorflow.

Sound Crash Course - R & Javascript — Nov 2021 - Dec 2021

- Built an R shiny app for a sound crash course.
- Visualized sound data, using D3 javascript package.

Attractiveness Modeling - R — Nov 2021 - Dec 2021

- Created a model to predict individual evaluation about partner's physical attractiveness in speed dating, using logistic regression.

UTF-8 String Search - C — May 2021

- Developed a program for string search algorithm in UTF-8 documents, using finite automata.

GCD Finder for Big Integers - C — April 2021

- Find a greatest common divisor of two large number, using GNU MP library.

Efficient Exponentiation - Java — Feb 2021

- Developed a program that calculates exponentiation in a more efficient way, using Dijkstra's algorithm.

Smart Door Knob - C — Oct 2019

- Created a smart door knob as a prototype of IoT device, using Arduino.
- It had an number pad to lock and unlock a door electronically and a temperature sensor to detect fire to alert people.

## MY LIFE PHILOSOPHY

*"Any sufficiently advanced technology is indistinguishable from magic."*
- Arthur C. Clarke -

## COURSEWORK

**Computer Science**

- Functional Problem Solving
- Imperative Problem and Data Structures(Robots)
- Object-Oriented Problem Solving, Data Structures, and Algorithms
- Analysis of Algorithms
- Software Design and Development with Lab
- Automata, Formal Languages, and Computational Complexity

**Mathematics**

- Calculus II
- Linear Algebra
- Discrete Bridges to Advanced Mathematics
- Foundations of Analysis
- Foundations of Abstract Algebra

**Statistics**

- Applied Statistics
- Statistical Modeling
- Econometrics
- Introduction to Data Science

## TECHNICAL SKILLS

**Languages**

C/C++ | Java | R | Python | HTML | CSS | Javascript

**Tools/Packages/Framework**

Git | Linux/UNIX | RShiny | ggplot | D3 | React | Django | Tensorflow

## SOFT SKILLS

Problem-Solving | Passionate and Curious Learner | Time Management | Responsibility | Communication/Teamwork

## LANGUAGES

**English** ●●●●●

**Korean** ●●●●●