

# Eugene Kim | Résumé

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## Education

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- **Cornell University** **Ithaca, NY**  
*B.A. Computer Science, Tanner Dean's Scholar, GPA: 3.55* *Aug 2017 - May 2021*
  - **Relevant Coursework:** Object Oriented Programming and Data Structures, Functional Programming, Discrete Structures, Robotics, Systems Programming, Linear Algebra, Multivariable Calculus, Number Theory
  - **Awards:** Tanner Deans Scholar: Awarded \$5000 research scholarship from Cornell University for outstanding high school achievement
- **Buchholz High School** **Gainesville, FL**  
*High School Diploma, GPA: 4.0, SAT: 2350, National Merit Scholar, AIME Qualifier* *Aug 2013 - May 2017*

## Research Projects

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- **Analysis of Cooperative Behavior in Hanabi (ongoing)** **Ithaca, NY**  
*Robotics Personal Assistants Lab, Cornell University* *Feb 2018 - Present*

Constructed models of strategy development in human teamwork using theories from psychology and linguistics in order to inform robot design principles. Recruited 12 human participants to participate in an observational data collection study. Cooperates with a partner under the guidance of Professor Ross Knepper. Project is funded by the Office of Naval Research.

## Software Projects

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- **Text Editor Implementation in OCaml** **Ithaca, NY**  
*Functional Programming Final Project* *April 2018 - May 2018*

Used LablGTK to connect front end implementation to back-end services. Created modular systems to handle different types of text editing operations. Implemented data structures such as Tries and Ropes to support back end. Used JSON to create custom appearance of front-end. Coordinated with three team members.
- **CritterWorld** **Ithaca, NY**  
*Object Oriented Programming and Data Structures Final Project* *Oct 2017 - Nov 2017*

Used Java Spark to handle HTTP requests from clients. Ensured thread-safe implementation of a server. Implemented abstract syntax trees and interpreters for small languages. Coordinated with a single partner.

## Activities

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- **Cornell Chamber Orchestra** **Ithaca, NY**  
*Violinist* *Aug 2017 - Present*

Performs in several free, public concerts throughout the year, including an outreach concert for young children.

## Technical skills

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- **Languages:** Java, OCaml, Python, C
- **Technologies:** Git, Robot Operating System, JSON, HTTP, JUnit, OUnit, Java Spark, LablGTK