

# Jianting (Jerry) Chen

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## EDUCATION

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- **Grinnell College** Grinnell, IA  
*Bachelor of Arts in Computer Science* *Aug. 2014 – May. 2018(Expected)*
  - Cumulative GPA: 3.7/4.0; Major GPA: 3.8/4.0
  - Honor: Dean's List (two semesters), Pioneer Weekend First Place
  - Selected Courses: Software Engineering; Combinatorics; Analysis of Algorithms; Functional Programming; Computer Organization and Architecture; Computer Networks; Automata Formal Languages, and Computational Complexity; Object Oriented Programming; Imperative Problem Solving; Data Structures

## EXPERIENCE

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- **University of Iowa Health Care** Iowa City, IA  
*Bioinformatics Intern* *May 2017 - Aug 2017*
  - Updated the Prokaryotic Virus Orthologous Group Database, which contains details of 3,000 virus genomes
  - Used JavaScript, Python, JSON, jQuery, DataTables, and Ajax to develop the actual database and its functions
  - Developed more accurate searching and filtering of data, as well as significantly faster loading speed
  - Constructed a new page to include 200,000 entries of protein data
  - Led the overall development and passed on this project to a new member of the team
  - Presented this project at Iowa Institute of Human Genetics to a variety of audiences including genetic counselors
- **Grinnell College Computer Science Department** Grinnell, IA  
*Research Assistant* *May 2016 - Aug 2016*
  - Created ORCA, an online pedagogical tool to prove properties about program correctness
  - Coordinated with professors from Haverford College to investigate methods of helping students write correct code
  - Wrote Java interpreter, evaluator, and parser to check Java programs' correctness with given pre-conditions
  - Co-authored a research paper about this project, and published an extended abstract on ACM digital library
  - Presented this project at Midwest Programming Language Conference and SIGCSE 2017
- **AppDev** Grinnell, IA  
*Senior iOS Engineer* *Jan 2017 - Present*
  - Collaborated with a team with four people to design and implement DB-iOS frontend using Objective-C
  - Met with team leaders, backend developers, and Android teams to discuss functions and features of apps
  - Ran code reviews with other team members to ensure the quality of our products
- **Grinnell College Computer Science Department** Grinnell, IA  
*Teaching Assistant* *Jan 2017 - Present*
  - Assisted professor on teaching of CSC 207: Object Oriented Programming & Algorithms
  - Communicated with graders, mentors, and the professor to ensure prompt grading of labs, homework, and projects
  - Utilized Eclipse and github to debug and correct codes written in Java
  - Reported to the professor on students' understanding of the assessment, and common mistakes on the material
- **Grinnell College Science Division** Grinnell, IA  
*Individual Tutor* *Aug 2017 - Present*
  - Tutored students in introductory computer science courses
  - Walked students through debugging and writing C, Scheme, and Java Code
  - Helped students understand theories and concepts in computer science, like recursion and object oriented design

## PROJECTS

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- **SmartGwent** Implemented the adversarial card game from Witch 3, and a computer controlled player using Haskell
- **Walking Forest** Designed and developed a puzzle solving game using Unity and C#
- **Sorting Visualizer** Illustrated different sorting algorithms both visually and auditorily using Java

## EXTRA

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- **Languages** : Java, Python, Javascript, Haskell, C
- **Technologies** : DataTables, Git, AWS, L<sup>A</sup>T<sub>E</sub>X, Unix, Ruby on Rails
- **Interests** Brazilian Jiu Jitsu (club manager), Racquetball, Soccer, Bass, Photograph