Jonathan C. Wong

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Education

- **San Jose State University** — San Jose, CA
  B.S. in Computer Science; Overall GPA: 3.94, Major GPA: 4.00 — *Fall 2016 – Spring 2020*
  - Dean's Scholar (2016 - Present): For attaining a 3.65+ GPA in at least two contiguous semesters.
- **Relevant Coursework**
  Data Structures and Algorithms; Object-Oriented Design; Introduction to Data Structures; Java Programming

Experience

- **Spartan Shops IT** — San Jose, CA
  IT Helpdesk Technician — *Sept 2017 - Present*
  - Provide general computer assistance within the department, including: installing, removing and troubleshooting software and hardware.
  - Provide technical and general PC hardware support to faculty, staff, and students.
  - Maintenance and repair of hardware, installation of computer operating systems.
- **Dr. Martin Luther King Jr. Library** — San Jose, CA
  Technical Services/Institutional Repository Student Assistant — *Feb 2017 - Sept 2017*
  - Deploy and maintain accurate repository records on SJSU ScholarWorks that receive 700,000+ downloads a year.
  - Responsible for updating repository accordingly to copyright and publisher embargo policies using SHERPA/RoMEO.
  - Coordinate communication between faculty researchers and publishers to resolve copyright issues.

Projects

* : Source code privatized due to SJSU plagiarism policies. Contact for source code.

- **Personal Website:** Designed and developed my personal website, joncwong.com, also using it as my root domain for standalone web projects. Coded entirely from scratch in HTML/CSS/Bootstrap/JavaScript with the use of third-party plugins such as Particleground.js for visual enhancement.
- **Desktop Calendar*:** Used Java Swing library to create a desktop-based calendar with functionality to schedule events, view schedule, and transfer calendar data from other computers or previous sessions. Utilized Java TreeMap data structure to chronologically store events while filtering out duplicate data. Follows model-view-controller architectural pattern.
- **Sudoku Solver:** Java program that recursively solves a user-provided Sudoku puzzle. Maintains algorithmic efficiency by backtracking out of dead-end solutions.
- **Fastq to Fasta Converter*:** A Bioinformatics Java program that converts Fastq files (file format for nucleotide sequences) to Fasta file (quality-assured Fastq files). Created readers and writers for both Fastq and Fasta files using BufferedReaders/BufferedWriters.

Skills

Languages: Java, JavaScript, Python, HTML, CSS
Technologies/Frameworks/Libraries: Bootstrap, Java Swing, GitHub, Bash, Eclipse