Christopher (Chris) Ong

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EDUCATION

University of Washington   Seattle, WA
Bachelor of Science in Computer Science, minor in Mathematics (GPA: 3.7/4.0)   *Sep 2019 – May 2023*
- Coursework: Data Structures, Algorithms, Client-Side Web Development, System/Software Tools, Linear Algebra, Multivariable Calculus, Differential Equations
- Annual Dean's List (2019-2020)

EXPERIENCE

CSSS 221 Course Assistant   April 2021 – Present
University of Washington   *Seattle, WA*
- Efficiently graded and provided feedback for over 200 undergraduate students' exams and weekly problem sets, expediting grading speeds by 40%
- Voluntarily arranged weekly office hours to discuss grades, feedback, and course content with students
- Evaluated overall student performance and common errors, and held weekly meetings with course instructor

Lead Project Coordinator   Jan 2017 – Jan 2020
Artism Creativity Center   *Cupertino, CA*
- Created individually-catered reading, writing, art, and math projects for 15 students on the autistic spectrum (some using HTML/CSS/JavaScript), projects were rated on average 4.8 out of 5 by parents
- Led instruction sessions for 30+ volunteers on how to assist the students with completing their projects
- Assessed students' weekly progress in cognitive skills and behavior, and conducted monthly meetings with students' parents to evaluate the students' development and needs

Information Technology Intern   May 2019 – Sep 2019
Law & Law   *Mountain View, CA*
- Regularly maintained and repaired 20+ devices, including computer software/hardware and networks, along with client file databases
- Overhauled file-sharing and storing systems between office computers, expediting client attention rates by 25%
- Provided the entire firm of 15 employees with technical support and troubleshooting assistance

PROJECTS

Memory Manager | *C*   January 2021 – March 2021
- Software package that dynamically allocates and de-allocates memory, with same functionality as library functions
- Ran with faster CPU time and less storage than standard C "malloc" and "free" functions

Workflow/Task Management Tool | *ReactJS, CSS, Firebase*   January 2021 – March 2021
- Aimed to relieve student clubs' inefficiency of using non workflow-purposed applications, and was adopted by a UW business/tech student club of 40+ members
- Created features for users to upload data as projects, add/filter projects and tasks, and view team members and their information
- Developed/designed the front-end and deployed a full-stack web application

Maze Solver | *Java*   November 2020 – December 2020
- Desktop app with a GUI that randomly generated grid or Voronoi shaped mazes with 3 difficulty options, and solved mazes
- Implemented Kruskal's Algorithm to carve mazes, and Djikstra's Algorithm to find the shortest path solutions
- Developed the back-end of the app in Java, based on existing codebase of 2000+ lines

Cryptocurrency Analysis | *R*   February 2020 - March 2020
- Interactive web application in R and Shiny that displays daily data visualizations of the prices of cryptocurrencies
- Utilized databases of over 100,000 data points to investigate the previous 4 years' market trends and predict future trends, and advised potential market actions/tips

SKILLS

Languages: Java, C/C++, R, Python, JavaScript, HTML, CSS
Frameworks/Libraries/Tools: ReactJS, AJAX, Firebase, Bootstrap, Linux, Git, Bash