JENNIFER CHANG

jenniferchang@berkeley.edu

EXPERIENCE

INDUSTRY EXPERIENCE

Backend Software Engineer at Bloomberg 2022- Present
- Led a multi-tier access control project utilizing **Python, Docker, Kubernetes, and AWS** to Beta

Backend Software Engineer at MasterClass 2022-2022
- Sessions

Software Developer Builder at Mozilla Fix-the-Internet Incubator 07/2020 - 12/2020
- Developed an interview prep platform

Software Engineer Student Intern at NASA Ames Research Center 06/2018 - 08/2018
- Completed the multimodal mission control of a planetary rover system 1 month ahead of schedule
- Cut down **Julia** system dependencies by over 50% to ensure a more robust and reusable software architecture
- Selected to present in the Intelligent Systems Division Intern Showcase

TEACHING EXPERIENCE

Computer Science Instructor at Juni Learning 07/2020 - 12/2021
- Taught private 1 on 1 **Python, Java, and JavaScript** Computer Science classes focused on Algorithms

Graduate Teaching Assistant at Northeastern University - Khoury College of Computer Sciences 01/2020 - 01/2021
- **Spring 20:** Algorithms & Computer Systems; **Summer 20:** Algorithms & Math; **Fall 20:** Fundamentals of CS; **Spring 21:** Math
- Classes taught in **C, C++, Java and Python**

EDUCATION

Northeastern University - M.S. in Computer Science (3.9 GPA)
University of California, Berkeley - B.A. in Interdisciplinary Media Studies

AWARDS & ACHIEVEMENTS

NASA Ames Honor Award
Awarded "for outstanding software development contributions" to the Intelligent Systems Division

Microsoft Women in Computing Scholar
- 1 of 10 Windows Insider awardees, undergraduate - PhD computing students, selected from across the world

Other Scholarships & Fellowships
- Melinda Gates PV Scholar, Grace Hopper 2020 Scholar, Tapia 2020 Scholar, Merit Scholar, Rewriting the Code 2020-2021 Fellow

TECHNICAL SKILLS & PROJECTS

Languages: Python, Java, JavaScript, HTML/CSS, Julia, Scratch, Swift **Misc tech:** Docker, Kubernetes, AWS
Frameworks/Libraries: React, Express.js, Node.js, AngularJS, jQuery, Scikit-learn **Databases:** MongoDB, MySQL, Neo4j
Relevant courses: Object-oriented programming in **Java and C++**, Web Development, Data Structures in **C**, Algorithms, Computer Systems, Databases, Artificial Intelligence, Data Mining, Cloud Computing, Foundations of Software Engineering

Accenture & ServiceNow Hackathon - 1st Place 05/2020
- Designed a web and mobile app using **JavaScript and the ServiceNow API** to connect users with part-time jobs

COVID-19 Local Nonprofits Hackathon - Organizer and Team Lead 05/2020
- Organized a hackathon to help 10 local nonprofits transition to virtual operations in COVID, retaining 100% of their clients
- Conceptualized a system in **Java** to lead a team to transform Latinas Cancer's manual system to a streamlined virtual system

Heart Disease Prediction 04/2020
- Developed **Python scikit-learn data mining algorithms** such as Logistic Regression, Naive Bayes, Decision Tree, KNN, and Random Forest to predict heart disease; Used accuracy, confusion matrix, precision, recall, PR curve, and more for evaluation

VOLUNTEER WORK

Developer Mentor at STEM League - Mentoring student developers in **Javascript** and **Python** 06/2020 - 08/2020