

Dawna Cho

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EDUCATION

University of California, San Diego | La Jolla, CA

Bachelor of Cognitive Science with a Specialization in Machine Learning and Neural Computation

Coursework: Data Structures And Object Oriented Programming | Machine Learning | Data Science | Software Tools and Techniques | Discrete Mathemathematics | Differential Equations | Probability | Linear Algebra

SKILLS & TECHNICAL TOOLS

Languages: Java (Object Oriented Programming) | Python | C | MATLAB | HTML | JavaScript | Solidity

Technologies: Git | Linux | Visual Studio | Eclipse | Jupyter Notebook | scikit-learn | ReactJS | Pandas

Softwares: Autodesk Maya | Unity | Canva | Adobe Photoshop | Adobe Illustrator | Microsoft Excel

EXPERIENCE

NFT Website and Smart Contract Developer | Edan Artden LLC

September 2021 - June 2022

- Designed and built an open-source blockchain-based web application platform that allow users to mint digital assets on OpenSea (**Solidity, ReactJS, Canva, HTML**)
- Collaborated with cross-functional teams, performed a Ethereum test network before deployment, and logically iterated on my designs from advised feedbacks
- Developed a functional ERC-721 smart contract and continuously enhanced security on a decentralized system to ensure safe transfers within the seller and buyer
- Generated an Etherscan API key and used Hardhat to deploy the smart contract on Etherscan

Math and Computer Science Tutor | CNUSD & Private

June 2016 - January 2020

- Responsible for leading one on one lessons with students from grades 1st to 12th and providing individualized help in learning and understanding new concepts
- Designed a 12-week curriculum focusing on coding with Java and Python programming, and boosting problem solving skills and confidence

PROJECTS

FBI Hate Crime Stats | *Python, Machine Learning, NumPy, Scipy, Seaborn, Requests, Pandas*

- Led a team of 5 developers to research the divisiveness of news articles towards the trend of hate crimes in America and facilitate data wrangling and cleaning
- Implemented a VADER Sentiment Analysis using MediaStack API to grab FBI statistics and develop models using Pandas and matplotlib

Maze Solver | *Java*

- Implemented a Search Algorithm that finds a solution path from start to finish, if solvable
- Implemented with Stack and Queue semantics and LinkedLists

FIFA World Cup Champion | *Python, Machine Learning, NumPy, Seaborn, Pandas*

- Cleaned and filtered data-sets of active players from SoFIFA.com using Pandas and NumPy
- Developed OLS Regression models with variable thresholds to predict the country that produces the best players
- Developed a Scatterplot Matrix of the range of possible values for each variables using Pandas to determine the each player's potential and overall score

Futility of Switching Tabs vs Split Screens Research | *Machine Learning, HCI, UI/UX*

- Led a team of 3 to analyze the human-computer interaction of the cognitive overload from using separate tabs or split screens on a computer during a reading and note-taking process

Race in Space Game Development | *Unity, Maya Autodesk*

- Designed and developed an award-winning science fiction space car racing game

AWARDS

NCWIT Inland Empire 2018 Affiliate Winner

- Won the NCWIT Inland Empire Affiliate Award that honors women in STEM
- Demonstrated a STEM portfolio of computing in Java experiences, game designs, 3-D animations, and leadership