Makenna Turner

makennat@stanford.edu | 720-998-3999 | Stanford, CA
makennaturner.org | LinkedIn

EDUCATION

Stanford University   Expected Graduation: June 2024
B.S. Computer Science   GPA: 3.873/4
Courses: Programming Abstractions, Computer Organization & Systems, iOS Development

WORK EXPERIENCE

Amazon Inc. - *Software Engineering Intern*   Seattle, WA | Jun - Sep 2021
- Developed pipeline analysis feature for AWS automated security host patching
- Worked on front-end development for an internal website using ReactJS, Ruby on Rails, and AWS

City of Westminster - *IT Database Intern*   Remote | Jun - Aug 2020
- Created interactive templates to generate productivity reports on projects to cut their time/expenses city-wide
- Processed backend data like timesheets and expense sheets using Microsoft PowerBI and Excel
- Helped streamline data from multi-million dollar projects into a readable and analyzable format

University of Colorado Boulder, ATLAS Institute - *Research Assistant*   Boulder, CO | Aug 2018 - Aug 2019
- Helped develop a wearable device using C++ and an iOS application using Swift and Machine Learning.
- Researched the intersection of Education and Computer Science using the medium of sports.
- Published research that was presented at the ACM CHI conference on Interaction Design & Children

Floodgate Inc. - *Product Design Intern*   Louisville, CO | Jul - Dec 2017
- Designed a dry-bag for the international brand West Marine.
- Learned about overseas manufacturing/fabrication and product design by working with contracted companies, researching materials, and generating designs for them.

PROJECTS

Backpacks for Puerto Rico - PHP, SQL, HTML, CSS, JavaScript
- Developed a website that connected donors across the U.S. with an underserved school in Puerto Rico that was in need of school supplies after Hurricane Maria.
- Provided the school with all supplies they requested for students, teachers, and the library for the next school year.

Project Illuminate - PHP, SQL, HTML, CSS, JavaScript
- Created a web platform to connect high school students with educational opportunities across the U.S.
- Garnered more than 14,000 hits within the first few months online with over 100 opportunities listed.

TECHNICAL SKILLS

Programming Languages - C++, Java, C#, PHP, SQL, JavaScript (React), Ruby, Python, Swift, MATLAB, HTML/CSS
Technologies - Autodesk CAD, Git/GitHub, Arduino, Adobe Suite, TensorFlow

AWARDS/HONORS

PEAK Fellow   Stanford Technology Ventures Program (2021)

Harvard WECode   *Panelist (2021)*
Teen Power Conference   *Panelist (2021)*
Computing Minds Women in STEAM Conference   *Speaker (2021)*
Google Generation Scholar | Google CSSI   **(2020)**
Coca-Cola Scholar | **Ron Brown Scholar | Gates Scholar | Amazon Future Engineer**   Honors (2020)
National Award for Aspirations in Computing (NCWIT) | She++ #Include Fellow   National C.S. Recognitions (2019)
CSEdWeek Champion of Computer Science | Youth Tech Leader of the Year   Honorable Mentions (2019)

EXTRACURRICULAR ACTIVITIES

CS + Social Good, Society of Women Engineers, BSU, Black in CS - General Member   (College) Oct 2020 - Present
Computer Science Honor Society - *President* (planned after school event for K-5 elementary)   Aug 2019 - May 2020
Black Student Union - *President* (spearheaded K-12 curriculum revision)   May 2018 - May 2020
Robotics Club - *Leader/Mentor* (taught students java and basic robotics)   Aug 2016 - Aug 2019
Puma Robotics Team - *Physics Sim. Captain* (upkeep of physics sim. of competition field)   Aug 2017 - Feb 2019