Alana Dillinger

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Education

GONZAGA UNIVERSITY | BACHELOR OF SCIENCE, MATHEMATICS AND BACHELOR OF SCIENCE, COMPUTER SCIENCE
· Expected Graduation: May 2020
· Cumulative GPA: 3.52
· President's List: Fall 2016, Dean's List: Spring 2018, Fall 2018

RELEVANT COURSEWORK
· Algorithms and Abstract Data Structures, Linear Algebra, Fundamentals of Mathematics, Digital Logic, Ordinary Differential Equations, Object Oriented Programming, Numerical Analysis, Data Visualization, Digital Logic, Data Mining, Real Analysis, Statistics for Experimentalist, Microeconomics, Macroeconomics

Leadership and Involvement

WOMEN AND COMPUTING | VICE PRESIDENT   MAY 2018 - PRESENT
· Coordinated travel for club members to attend conferences and Hackathons
· Organized mentorship program for club members and all computer science students at Gonzaga

STABILITY OF NUMERICAL METHODS AND DIFFERENTIAL EQUATIONS RESEARCH   AUGUST 2018 - PRESENT
· Discovering how many variables should be used in numerous multistep methods to solve ordinary differential equations while obtaining high accuracy accuracy and stability

IZAG RADIO PODCAST   AUGUST 2018 - PRESENT
· Co-hosts an hour long weekly podcast, "Surprise Runs," discussing students' fitness journeys at school
· Records, edits, and uploads all content to iZag website for listeners
· Manages social media accounts to promote and advertise podcast and iZag

ACM PACIFIC NW REGIONAL PROGRAMMING CONTEST | PARTICIPANT   NOVEMBER 2017

Skills & Abilities

PROGRAMMING AND SOFTWARE
· Java, C++, Python, HTML and css, MATLAB, TeX, Processing, Maven, React, Android Studio, GitHub, Arduino, Raspberry Pi

Work Experience

ORGANIZATIONAL MANAGEMENT INTERN | GONZAGA UNIVERSITY EVENT SERVICE TEAM   AUGUST 2018-PRESENT
· Collaborated with four peers to plan, organize, and run conferences and events on campus
· Participated in leadership retreats and workshops to enhance my leadership skills in the workplace
· Managed department wide collaborative project to create a cohesive manual for all student employee expectations
· Managed and led welcome desk student staff and organized multiple department wide committees
· Supported and led group of students to organize campus wide march madness game watch

STUDENT CONCIERGE | GONZAGA UNIVERSITY EVENT SERVICE TEAM   AUGUST 2016-MAY 2018
· Set up for small and larger campus events with a team in 2 or less hours to keep event schedule running smoothly
· Greeted and welcomed students, faculty, and visitors into the student center at the centrally located welcome desk
· Controlled the switchboard, answering and transferring phone calls to the University
· Tracked inventory for welcome desk supplies

INTERN | TELLER COUNTY FARMERS MARKET AND OGALLALA COMMONS   MAY 2017-AUGUST 2017
· Responsible for set up and tear down of weekly market involving 100+ vendors
· Managed 100+ vendor tax folders, and SNAP benefit information
· Complied recipe and history book of the market on own time for market fundraiser
· Wrote blog posts to keep employers and community informed of projects

Projects

CODEU PROGRAM | GOOGLE   MAY 2018-AUGUST 2018
· Designed, debugged, and built a chat application on a team of 3 during the 12-week program
· Worked with java servlets, Google Analytics to track statistics, and Datastore about the app and its users
· Implemented .css files to design a user friendly and aesthetically pleasing user interface
· Participated in regular code reviews with a Google Engineer and peers, learned industry best practices such as using GitHub
· Attended an exclusive retreat hosted by Google recruiters and engineers covering industry and career preparation topics

FITNESS FUN   AUGUST 2018-PRESENT
· Designed fitness app to connect athletes in similar areas with each other
· Worked with Datastore, and Android Studio to develop the app
· Collaborated with two other peers and delegated tasks to efficiently develop the app