

# 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: 3.54
- President's List: Fall 2016, Dean's List: Spring 2018, Fall 2018, Spring 2019

### RELEVANT COURSEWORK

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

## Leadership and Involvement

### IZAG RADIO PODCAST

AUGUST 2018 - PRESENT

### GRACE HOPPER SCHOLAR

MAY 2019

### FIRST YEAR EXPERIENCE ORIENTATION SUPER GROUP LEADER

AUGUST 2019

### ST. ALOYSIOUS GRADE SCHOOL VOLUNTEER CROSS COUNTRY COACH

AUGUST 2019 - PRESENT

### WOMEN AND COMPUTING | VICE PRESIDENT

MAY 2018 - PRESENT

- Coordinated travel for club members to attend Grace Hooper conference and other 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 and stability

## Skills & Abilities

### PROGRAMMING AND SOFTWARE

- Java, C++, C#, Python, HTML, css, Javascript, SQL, ASP.net, MATLAB, LaTeX, Processing, GitHub, Raspberry Pi

## Work Experience

### OPERATIONS ASSISTANT | GONZAGA UNIVERSITY EVENT SERVICE TEAM

AUGUST 2019 - PRESENT

- Set up small and larger campus events individually or with teams of 2 efficiently to keep event schedule running smoothly
- Lead technology specialist for weekly live band performances and other various events on campus
- Collaborated with peers and supervisors to develop new policies and processes as the department grew
- Lead teams of students on shift keeping everyone on track and dividing tasks to have events set up on time for clients

### SOFTWARE DEVELOPMENT INTERN | ASIGNIO

JUNE 2019 - AUGUST 2019

- Mined data from large databases to create visualizations of the company's data
- Collaborated with coworkers on projects to deliver functioning code on or before set deployment dates
- Developed a full MVC .net application secured with cookies to prevent people from accessing data without Asignio accounts
- Worked remotely once a week on projects while collaborating with teammates through video calls

### ORGANIZATIONAL MANAGEMENT INTERN | GONZAGA UNIVERSITY EVENT SERVICE TEAM

AUGUST 2018 - MAY 2019

- 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

- Assisted event team with event setup around campus
- 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

## 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