Ozan Erdal

https://oerdal.me
https://github.com/oerdal

Email : oerdal@uw.edu
Mobile : +1-714-679-5036
5626 University Way NE, B
Seattle, WA 98105

OBJECTIVE

Currently working towards successfully graduating with real life experience obtained through internships. Passionate about meaningful and visually appealing applications of data manipulation and predictive analytics, and looking for job opportunities to apply my leadership, academic and service skills and experience.:

EDUCATION

- **University of Washington** — Seattle, WA
  Bachelor of Science in Applied Computational Math Sciences - GPA: 3.45 — *Sep 2016 - Present*
  - **Specialization in Scientific Computing and Numerical Algorithms**: Using computer simulation as a tool in analysis, visualization, design; predicting real-world phenomena with the aid of a computer. Focusing on the design, mathematical and statistical analysis, and efficient implementation of numerical algorithms for such problems.
  - **Minor in Informatics**: Heavy focus on group projects, design thinking methodology and applications, and client-side development. Scheduled to take elective courses in server-side development and database management.
- **Relevant Coursework**: Computer Programming I (**CSE 142**), Computer Programming II (**CSE 143**), Web Programming (**CSE 154**), Programming Languages (**CSE 341**), Data Structures + Algorithms (**CSE 373**), Programming Concepts + Tools (**CSE 374**), Introduction to A.I. (**CSE 415**), Beginning Scientific Computing (**AMATH 301**), Linear Algebra and Numerical Analysis (**AMATH 352**), Statistical Methods (**STAT 390**), Calculus with Analytic Geometry III (**MATH 126**), Introduction to Differential Equations (**MATH 307**), Matrix Algebra with Applications (**MATH 308**), Linear Analysis (**MATH 309**), Advanced Multivariable Calculus I (**MATH 324**), Technical Foundations of Informatics (**INFO 201**), Databases and Data Modeling (**INFO 330**), Design Concepts and Practice (**DESIGN 266**)

SKILLS

- **Proficient Languages**: Java, JavaScript, Python, R, Matlab, SQL, HTML, and CSS
- **Familiar Languages**: Ruby, Lisp, Standard ML, Racket, PHP, Bash, C, and C++
- **Technologies**: Git, Heroku, Terminal, React.js, pandas
- **Software**: Adobe Creative Cloud, and Microsoft Office Suite

PROJECTS

- **NBA Fantasy Comparison Tool (2019) - *R***: Created and deployed visualization tool for easily viewing up-to-date statistics and for comparing NBA players to enhance Fantasy Basketball fans' trading experience and ability. Tool uses official NBA API for accurate, real-time information and utilizes R's **ShinyApps** package and **Bootstrap** for a simple, fast webapp. Currently in process of being upgraded for use with a variety of Fantasy Sports besides basketball.
- **Basketball Shooting Trends (2019) - *Python***: Completed statistical data analysis and visualization for performance analysis of individuals over time, in particular, the progression of shooting trends in the NBA through its history. Delved into the success of the NBA's greatest players to understand the shift in playstyle in the recent years. Makes use of **NumPy**, **pandas**, **scikit** to both manipulate data as well as draw predictions from it.
- **Pi Alpha Phi Website (2018) - *React.js***: Restructured and completely rebuilt Fraternity's website. Currently deployed to Heroku and can be viewed at **www.uwpaphi.com**. Website is updated quarterly and maintained regularly. Currently being restructured to the **MERN** stack for added maintainability for the future.
- **LibCal Table List (2018) - *React.js***: Built the front end of *Table List* during Dub Hacks 2018 - a simple UI that displays all available room reservations booked by Fraternity in UW's Seattle campus. Worked with another member of fraternity to web scrape bookings from uw.libcal.com.
- **PicEdit (2017) - *Java***: Worked with a partner at defHacks() 2017 to create *PicEdit*, a rudimentary photo editing tool built with the Swing GUI toolkit. Formulated and implemented algorithms for image adjustments like contrast, brightness, etc.

Experience

- **Pi Alpha Phi** — Seattle, WA
  Nation's First Asian-Interest Fraternity — *March 2018 - Present*
  - **Vice President**: Responsible for all internal affairs, including, but not limited to: managing all campus operations, leading administrative meetings with chapter members as well as with campus officials, maintaining good standing with Office of Fraternity and Sorority Life, leading mentorship of incoming executive cabinet, serving as effective President in instances of his absence, and hosting 100+ attendee formal events at upscale venues.
  - **Webmaster**: Built and deployed fraternity's house website using **React.js**. Website is maintained regularly and updated quarterly. Organize and maintain the house Google Drive.
  - **Event Designer**: In charge of designing all recruitment flyers, event banners, and social media campaign promos using **Photoshop** and **Illustrator**.

- **Foodli** — Redmond, WA
  Startup — *August 2018 - September 2018*
  - **Intern**: Training towards porting chunks of code-base to React Native. Worked remotely with project lead on using location services to enhance and simplify user experience in various service industries through means of a mobile app.

- **Alpha Phi Omega** — Seattle, WA
  Nation's Largest Co-ed Service Fraternity — *September 2017 - June 2018*
  - **Member**: Countless service hours on and off-campus. Weekly volunteering at various locations including local food banks, homeless shelters, and convention centers. Fundraising for various philanthropies including nursing homes and cancer research foundations.

- **Tackle Box** — Irvine, CA
  High-end Fusion Restaurant — *June 2016 - September 2017*
  - **Shift Manager**: Opened and closed register, controlled daily financial outflow, and maintained inventory. Helped manage scheduling and shift organization.

Awards and Honors

- **Dean's List**: 5 time recipient of quarterly Dean's List.
- **UW iSchool Project Fair**: Spring 2018 winner for Most Implemented Project.
- **Alpha Phi Omega LEADS**: Leadership Development Program certification.
- **2012 Presidential Award for Academic Excellence**: Top 3% of Students in the United States.