

Ozan Erdal

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EDUCATION

- **University of Washington** Seattle, WA
 - *Bachelor of Science in Applied Computational Math Sciences* *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. S.C.N.A. focuses on the design, mathematical 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. Hoping 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**), 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, Python, R, JavaScript, Matlab, SQL, HTML, and CSS
- **Familiar Languages:** Ruby, Lisp, Standard ML, Racket, PHP, Bash, C, and C++
- **Technologies:** Git, React.js, pandas, and Terminal
- **Software:** Adobe Creative Cloud, and Microsoft Office Suite

EXPERIENCE

- **Pi Alpha Phi** Seattle, WA
 - *Nation's First Asian-Interest Fraternity* *March 2018 - Present*
 - **Webmaster:** Built my fraternity's house website using **React.js** and deployed to www.uwpaphi.com. Website is maintained regularly and updated quarterly. Organize and maintain the house Google Drive.
 - **Event Designer:** In charge of designing all event banners and social media campaign promos using **Photoshop** and **Illustrator**.
 - **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.

PROJECTS

- **LibCal Table List - DubHacks 2018:** Built the front end of *Table List*, a simple UI that displays all available room reservations booked by my Fraternity in UW's Seattle campus. Worked with another member of fraternity to web scrape bookings from uw.libcal.com.
- **PicEdit - def hacks() 2017:** Worked with a partner to create *PicEdit*, a photo editing tool built in Java with the Swing GUI toolkit. Formulated and implemented algorithms for image adjustments like contrast, brightness, etc.

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.