David Gray Widder

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Education

Software Engineering Ph.D. Student, Carnegie Mellon University, Pittsburgh, Pennsylvania, August 2017 — Present

Robert D. Clark Honors College, University of Oregon, Eugene, Oregon, September 2013 – June 2017
- Bachelor of Science in Computer and Information Science, GPA: 3.95, GPA in Major: 4.15

United World College of South East Asia, Singapore, August 2003 – May 2013

Research Experience

Research Assistant, Institute for Software Research, Carnegie Mellon University, June — September 2016
- Designed and conducted qualitative research studying how users repair programming errors when using frameworks
- Independently directed my own research goals in consultation with two faculty members and one grad student
- Presented my research in poster form to peers and faculty members, preparing conference paper with collaborators

Research Assistant, Computer and Information Science, University of Oregon, June — September 2015
- Designed a mobile app to investigate whether encouraging competition over daily step counts in a social group could improve group fitness
- Used the Cordova web app platform to ensure the app was deployable on any mobile operating system
- Unified the Cordova API, Android API to present a consistent abstract API to be used on the base web app

Research Assistant, Computer and Information Science, University of Oregon, June — September 2014
- Collaborated with a team of professors in the Computer and Information Sciences department and the Communication Disorders & Sciences Laboratory on a National Science Foundation project
- Developed an online therapy system to improve recovery outcomes for youth with concussions
- Designed an effective UI to meet both the needs of concussion affected patients and specialist doctors

Work Experience

Clark Honors Introductory Program Leader, Clark Honors College, September – December 2015
- Taught a credit bearing Computer Science Honors College course to 14 first year students
- Designed a curriculum to challenge but cater to a diverse range of computing abilities
- Educated on historical and present exclusivity which exists in the field of Computer and Information Science

Mentor Resident Assistant, University Housing, University of Oregon, September 2015 – June 2016
- Mentored three new Resident Assistants to help them adapt to and troubleshoot difficulties encountered in the RA role
- Role modeled good protocol and appropriate conduct to new RAs
- Served on a governance council to discuss RA comments and concerns with University Housing Leadership

Resident Assistant, University Housing, University of Oregon, September 2014 – June 2015
- Worked with 13 staff to help 460 freshman adapt to the academic and social challenges of university
- Role modeled inclusive behavior and instructed on issues of social responsibility to encourage a diversity positive hall
- Balanced working 20 hours a week while maintaining high academic standards

Awards

- Phi Beta Kappa, Inducted June 2017
- Barry Goldwater Scholarship 2015 nominee, one of 4 students nominated for national consideration
- American Collegiate Rowing Association Academic All American First Team, 2016, 2017
- Clarence and Lucille Dunbar Scholarship 2016 winner, awarded to 26 undergraduates studying in the natural sciences out of 164 eligible applicants, 16% acceptance rate, $2,000
- William L. Hanks Scholarship 2015 winner, awarded to 8 undergraduates studying in the physical sciences out of 52 eligible applicants, 16% acceptance rate, $2,000
- General University Scholarship 2016 and 2017 winner, competitive university award for academic merit, $5,200 total
- Geoffery Wright Outstanding Junior Scholarship 2013 winner, awarded to 1 student per year who is taking junior level classes and who shows academic excellence and commitment in Computer and Information Science, $1000
- Summit Scholarship Recipient, awarded to incoming freshman showing strong high school academic merit, $20,000
- Eight time Honors College Dean's List Award Winner, for GPA >3.75