SEBASTIAN C. WAZ

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EDUCATION

University of California, Los Angeles
   B.S. in Cognitive Science and Computing (Class of 2016, GPA 3.22, Major GPA 3.44)
   Relevant coursework: data structures, complexity and optimization, sorting, compression, operating systems design, computer architecture, machine learning, signal detection theory, research methods, statistical analysis, probability

SKILLS

- C/C++
- Java
- Python
- Git
- Matlab
- HTML/CSS
- Ardupilot
- OpenCV
- CAD
- UI/UX
- C# / Unity
- Oculus

PRESENTATIONS

Song, X., Waz, S. C., & Liu, Z. (2015, May). *Boundary Extension: Insights from Signal Detection Theory.* Poster presented at the 24th Annual Psychology Undergraduate Research Conference (PURC) at UCLA, Los Angeles, CA.

RESEARCH EXPERIENCE

Research Assistant, Rissman Memory Lab, UCLA (Fall 2015 – present)
- Trained participants to interact with a virtual reality environment (VR), administered experimental tasks in VR
- Scripted programs in MATLAB to present counterbalanced image sequences and full motion videos

Independent Researcher, Liu Computational Perception Lab, UCLA (Summer 2015 – present)
- Conducted independent research on depth perception and motion opponency through binocular fusion
- Regularly applied statistical knowledge to test the validity of findings and to simulate behaviors
- Wrote MATLAB scripts that generate animated visual stimuli, take input, and automate data analysis

Research Assistant, Liu Computational Perception Lab, UCLA (Summer 2014 – present)
- Trained fellow research assistants on procedures for administering experiments
- Led presentations reviewing literature in visual perception during weekly lab meetings
- Conducted MVPA for directional motion encoding in fMRI data using support vector machine classifiers

LEADERSHIP EXPERIENCE

Project Manager, UCLA Unmanned Aerial Systems (July 2014 – July 2015)
- Rebuilt a previously defunct student project from the ground up, established industry references
- Collaborated on tasks related to computer vision, autopilot, and safety in control systems
- Documented work procedures and provided guidelines for future team leaders
- Competed in AUVSI Seafarer Chapter's 2015 Student Unmanned Aerial Systems Competition

PROFESSIONAL EXPERIENCE

GIS Analyst and Database Auditor, UCLA Rock Art Archive, Fowler Museum (July 2014 – present)
- Spearheaded research in spatial analysis for the purpose of site discovery and preservation
- Synthesized DEM rasters and data on natural resources in ArcGIS to generate least cost paths over land
- Audited site record database which tabulates archaeological sites on Easter Island, with emphasis on usability

Team member, Bruin Café, UCLA Housing (February 2014 – July 2014)
- Demonstrated ability to thrive as part of a team, to provide pleasant customer service under pressure, and to defuse difficult situations