KRISTA CAROLINE FRYAUFF

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EDUCATION:

9/10-present **Stanford University**, Stanford, CA. Undergraduate Program
- Pursuing Bachelor of Science Degree in Computer Science with a concentration in Human Computer Interaction and a minor in Comparative Studies in Race & Ethnicity, to be conferred 12/15
- Coursework includes HCI, computer systems, visual design, design process, race/ethnic studies, literature/poetry

EXPERIENCE:

TECHNICAL/RESEARCH/WRITING

1/14-present **Web Developer**, Center for Spatial and Textual Analysis (CESTA), Stanford University, Stanford, CA
- Produce two web-based design models for data visualization using design, web, and GIS skills
- Implement a platform to consider interactive mapping, timeline filtering functionality and information integration
- Assist in the transfer of recorded documents into a new database system

6/13-6/15 **Technical Intern**, Department of Entomology, Walter Reed Army Institute of Research, Silver Spring, MD
- Created testing phase designs for two departmental websites: VectorMap & WRBU
- Improved user interface for identification algorithms & IT products

6/11-9/11 **Research Intern**, Viral & Rickettsial Diseases Program, Infectious Disease Directorate, Naval Medical Research Center, Silver Spring, MD
- Investigated the purification and analysis of proteins 027a, 028a and 789a via High-Performance Liquid Chromatography (HPLC) and Mass Spectroscopy (MS) from trypsin-digested samples

LEADERSHIP/MANAGEMENT

6/12-6/15 **New Member Educator**, Sigma Theta Psi Multicultural Sorority, Delta Chapter Incorporated, Stanford, CA
- Increased the active membership by 25% through design and execution of events including Q&A sessions, team building activities, academic support, and multicultural events
- Held position of President through 6/14

9/13-6/15 **President**, Multicultural Identified Community at Stanford, Stanford, CA
- Produced new programming, organized leadership, and integration in community centers
- Promoted from position of Publicity Director 9/13

9/12-6/14 **Computing Consultant**, Muwekma-Tah-Ruk (native-themed residence), Stanford, CA
- Designed and supported house events/activities
- Provided technical support and taught a classes on basic computing and multimedia skills and project building

9/11-6/13 **Publicity Coordinator/Financial Officer**, Carnaval Core, Latinos Unidos/Carnaval Committee, Stanford, CA
- Organized event details to bring cultural diversity to light in a Latin American tradition
- Constructed and managed the budget, financial details and paperwork
- Created publicity strategies and designed advertisements

6/12-9/12 **Computing Technical Support Specialist**, Stanford Academic Computing, Stanford, CA
- Managed network issues, performed cluster machine maintenance and provided technical assistance

6/11-6/12 **Lead Web Designer**, Native American Cultural Center, Stanford, CA
- Constructed and managed a Facebook and flash-based wiki-page
- Designed and integrated concepts of breaking cross-cultural barriers and identity into a web-based interactive medium

8/10-9/11 **Midshipman**, Naval Reserve Officer Training Corps, United States Navy, University of California, Berkeley Unit
- Trained as an officer candidate, managing and executing events, tasks and personnel

TEACHING/COUNSELING

9/10-present **Private Tutor**, Stanford, CA
- Tutor students in the introductory CS courses at Stanford (Java & C++ based courses)

9/14-6/15 **Soccer Coach,** Coaching Corps, Boys & Girls Club of the Peninsula, Stanford, CA
- Coached youth soccer at a community center, engaging with kids and setting long term standards for healthy living

9/11-6/12 **Instructor**, Stanford Residential Computing, Stanford, CA
- Taught classes on general computing and multimedia productions

10/11-6/12 **Instructor,** ThinkMath (formally F4Ed) Palo Alto, CA
- Adapted math lesson plans integrated with stories and games and taught small groups of elementary school students

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SKILLS:

- Experience with Java, C++, C, HTML5, CSS3, SASS, Twitter BootStrap, Javascript, AJAX, JSON, D3, Ruby on Rails, node.js, Python, PHP, SQL, AAMPS, Dr. Scheme, TrueBasic, Interactive C
- Understanding of GIS systems, ArcGIS, shape files, GEOjson, Topojson, D3 integration, Wireframing, Sketching, and the Design Process
- Proficiency with Microsoft Office Suite, Publisher, Photoshop, Illustrator, Dreamweaver, Muse, Eclipse, and limited experience with Garageband, iMovie, Video & Audio editing

ADDITIONAL INFORMATION:

- Born in Italy and raised in Jakarta, Indonesia and have travelled in the US, Indonesia, Mediterranean, Mexico, North Africa, New Zealand, Australia, Singapore, South Pacific Islands
- Interests include Piano and Alto Saxophone; Writing Poetry, Novels; Dragon Boating; Fútbol;