CHRISTINA POLLALIS

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EDUCATION

WELLESLEY COLLEGE May 2016

BA in Political Science (GPA: 3.64) and minor in Computer Science (GPA: 3.57)

Sigma Xi	Associate member in the National Scientific Research Honors Society
Pi Sigma Alpha	Student member in the National Political Science Honors Society
Relevant Coursework	The Socio-Technological Web; Computer Science and the Internet; Human-Computer Interaction; Data, Analytics, and Visualizations; Web Search and Mining; Computer Programming and Problem Solving; Data Structures; Machine Organization

WORK EXPERIENCE

WELLESLEY HUMAN-COMPUTER INTERACTION LAB

Research Fellow, 2015 - Present

- Create and develop innovative interfaces that facilitate learning and exploration of information
- Define project vision and strategy, lead weekly meetings, and assign tasks
- Mentor and guide researchers through the iterative user experience process of design, development, and evaluation
- Collaborate with the Harvard Personal Genome Project, Open Humans, NYU, the Tech Museum of Innovation, the Davis Museum, and the Tufts DevTech Research Group
- Design and conduct in-lab and MTurk usability studies and analyze the quantitative and qualitative data

HoloMuse: an augmented reality application that changes the way students and museum visitors learn about artifacts

- Lead the development of a Microsoft HoloLens augmented reality museum application using Unity and C#
- Manage a team of three undegraduate researchers
- Create user analysis, storyboards, and wireframes
- Designed and conducted over 70 in-lab usability studies and analyzed the quantitative and qualitative data through SPSS to draw conclusions and make informed design recommendations
- First authored the full paper accepted at the prestigious TEI 2018 conference (28% acceptance rate) and the work in progress paper published at TEI 2017 conference (45% acceptance rate)
- Presented the project at the TEI 2017 conference

Personal Genomics for HCI: an interactive visualization tool that empowers non-expert users to understand their genomic data

- Design and develop an interactive D3.js visualization tool using HTML, CSS, and JavaScript
- Design and run over 100 MTurk usability studies to recieve feedback and gather data about the tool
- Analyze the qualitative and quantitative data gathered from users to draw conclusions and improve the tool
- Guide undergraduate researchers through the user experience process and lead the qualitative data analysis
- Collaborate with the Harvard Personal Genome Project, NYU, and Open Humans
- Co-authored the full paper published at the top-tier CHI 2016 conference (23% acceptance rate)

TwitterTrails: a tool that allows users to learn and understand how fake news is propagated on twitter

- Lead brainstorming, prototyping, and development of a novel interactive D3.js visualization of fake news on twitter
- Manage a team of two undergraduate researchers
- Designed the classroom activity that used the twittertrails tool and summarized the qualitative results gathered
- First-authored the case study accepted at the prestigious ACM CHI 2018 conference (45% acceptance rate) and co-authored the workshop paper published at CHI 2017

TangiBac: introduces biological engineering to young students by utilizing tangible, gestural, and multi-touch interaction

- Design new games and toys using MultiTaction and tangible pieces to augment learning
- Conduct user studies with primary school children
- Presented the project at Interactive Surfaces and Spaces (ISS) 2016

WELLESLEY COMPUTER SCIENCE DEPARTMENT

Lab Instructor, Fall 2017

- Teach two lab sections of the introductory computer science course CS115: Computing for the Socio-Techno Web
- Instruct HTML, CSS, and JavaScript to 24 undergraduate students, hold office hours, and grade assignments
- Attend weekly meetings with tenured faculty and TAs to discuss course material and curriculum changes

jrCODE ACADEMY

Computer Science Instructor, 2015 - 2017

- Taught Accelerated Scratch, Intro to JavaScript, and Intro to Java to groups of 15 students between the ages of 7-14
- Presented the material and guided students with their final projects in their respective classes
- Wrote class summaries at the end of each class and student reports for each student at the end of the 8-week course

ACCENTURE

Management Consultant Intern, Summer 2014

- Researched digitization and technological disruptions
- Explored how businesses and governments can integrate technological strategies into their business plans and presented the analysis to senior employees at Accenture

Kathimerini (Καθημερινή) Newspaper

Newspaper Writing Intern, Summer 2013

- Examine daily stories to create informative and interesting news clips to be published in the international section
- Produce content by browsing online news sources in French, German, and Greek and translating content to English

SKILLS

USER EXPERIENCE & PROTOTYPING

- Paper Prototyping, Storyboarding, Wireframing
- 3D Printing
- Usability Testing, MTurk Testing
- User Research, User-Centered Design

TECHNICAL

- HTML5/CSS3, JavaScript
- Jquery, D3.js, Bootstrap
- Java, C#, C++

TOOLS

- Unity, Github, Visual Studio
- Balsamiq Mockups, LateX
- Illustrator, Photoshop, InDesign
- IBM SPSS Statistics

PUBLICATIONS

Pollalis, C., C. Grevet, L. Westendorf, S. Finn, O. Shaer, P. Metaxas. Classroom Activity for Critical Analysis of News Propagation Online, Case Study, Proc. CHI 2018. (45% acceptance rate)

Pollalis, C., E. Minor, Lauren Westendorf, W. Fahnbulleh, I. Virgilio, A. Kun, O. Shaer. Evaluating Learning with Tangible and Virtual Representations of Archeological Artifacts, Paper, Proc. TEI 2018. (28% acceptance rate)

Westendorf, L., **C. Pollalis**, C. Verish, O. Shaer, P. Metaxas, M. Ball, O. Nov. From Personal Genomics to Twitter: Visualizing the Uncertainty of Evidence, Workshop Paper, Proc. CHI 2017.

Pollalis, C., W. Fahnbulleh, J. Tynes, O. Shaer. HoloMuse: Enhancing engagement with Archaeological Artifacts through Gesture-Based Interaction with Holograms, Proc. TEI 2017. (45% acceptance rate)

Shaer O., O. Nov, J. Okerlunch, M. Balestra, E. Stowell, L. Westendorf, **C. Pollalis**, L. Westort, J. Davis, M. Ball. GenomiX: A Novel Interaction Tool for Self-Exploration of Personal Genomic Data, Proc. CHI 2016. (23% acceptance rate)

Pang Z., **C. Pollalis**, A. Saluti. Binders Full of Voters: How information gathered through tracking was used to target the 2012 presidential election, Proc. IADIS e-Society 2013.