

SKILLS

Languages & Software: C++, C#, Java, HTML, CSS, JavaScript, Python, Node.js, React.js (Redux), SASS. Knowledge of MySQL, Matlab, Windows, Unix/Linux, and OS X.

UX/UI & Design: Firm grasp on methodologies to wireframe, design, and illustrate stories to communicate effectively. Proficient in Adobe Creative Suite (esp. Photoshop, Illustrator, InDesign, After Effects).

Processes & Tools: Agile, Scrum Kanban, XP, AWS, Git, and Express.js.

Laboratory: 3D printing, Augmented Reality interface design and functioning knowledge of CAD implementation. Experienced with gene editing, microbiological and other common histochemical techniques from biochemistry background.

Foreign Languages: Spanish speaker.

PROFESSIONAL EXPERIENCE

Electric Pen Seattle, WA 2015 – Present

Designer, Web Developer and UX/UI Researcher

Starting in a graphic design and branding role, my duties have evolved to incorporate web development, including user research on a \$100k site for a local Big Five tech company. We designed a proprietary CMS incorporating React.js, SASS and worked to incorporate AWS services, developing a site gateway API.

Vanderbilt University Medical Center Nashville, TN 2013 – 2015

Research Assistant, Statistician, and Lab Manager

Expanded a high-functioning research environment and coordinated the creation of a \$30k cell culture laboratory in three months. Also devised a novel 3D skin model to study cancer. Other duties included training PhD candidates, budgeting and fast-paced project management.

Loyola University Medical Center Maywood, IL 2012 – 2013

Epigenetics Research Assistant & Statistician

University of Minnesota-Twin Cities Minneapolis, MN Summer 2011

Immunology/Pathology Research Fellow

Mayo Clinic Rochester, MN Summer 2009

Research Fellow

Markesan Resident Home Markesan, WI 2006 – 2009

Certified Nurse Aide; Activities Aide

EDUCATION

University of Washington (GPA 3.94) Bothell, WA 2019 -2020

Graduate Certificate in Software Design & Development

Graduated in June 2020, accepted and transitioning into the UW Master of Computer Science and Software Engineering program thereafter. *Relevant coursework — Data Structures and Object-Oriented Programming I and II, Systems Programming, Software Development Processes, Software Modeling Techniques, Software Testing and Quality*

School of Visual Concepts Seattle, WI 2016-2018

Various classes including Typography, Graphic Design, UX/UI, Web Design, and Screen printing

Self-motivated interest to pursue design courses and understand the human psychology of layout and color.

Trinity International University (GPA 4.0) Deerfield, IL May 2012

Bachelor of Arts (BA)

Double majored chemistry and biology in Honors program; *summa cum laude*

Markesan High School (GPA 3.9) Markesan, WI June 2008

High School Diploma

Class valedictorian and president

HONORS

- . Kantzer Academic Scholarship for full college tuition (Trinity 2008-2012)
- . Senior Laboratory Scientist of the Year awarded collectively by science faculty (Trinity College 2012)
- . Dean's List every semester while in college

LEADERSHIP AND VOLUNTEER ACTIVITIES

- . Volunteer research/developer/designer on the EYE Team to provide immersive AR experiences for vision-disabled youth in the Native American community, working under Dr. Bill Erdly (2019 – Present)
- . Photographer and woodworking volunteer at the Center for Wooden Boats in Seattle (2016 – Present)
- . Docent and assistant animal caretaker at the Nashville Zoo (2014 – 2015)
- . Science and math tutor for at-risk youth at the Oasis Center in Nashville (2013 – 2014)
- . Laboratory teaching assistant in chemistry and biology at Trinity College (August 2009-May 2012)
- . High School Team leader of a river monitoring project under guidance of the Wisconsin DNR (August 2004-May 2008)
- . Spanish translator and mission worker on several overseas mission trips to Valencia, Spain; Hermosillo, Saltillo, and Juarez, Mexico; and Toronto, Canada (2001-2007)

PUBLICATIONS

Journal Articles

- . Kritzberger CJ, Antiel RM, Wallace DP, **Zacharias JD**, Brands CK, Fischer PR, Harbeck-Weber C. "Functional Disability in Adolescents with Orthostatic Intolerance and Chronic Pain." *Journal of Child Neurology*. Feb 2011; 26(5):593-8.

RESEARCH & FELLOWSHIPS

- . Life Sciences Summer Undergraduate Research Program (2011); National Institutes of Health, University of Minnesota-Twin Cities, Department of Laboratory Medicine and Pathology; Research involving immune response of T cells in mice.
- . Summer Undergraduate Research Fellowship (2009); Mayo Clinic College of Medicine, Department of Pediatric and Adolescent Medicine; Research with Dr. Philip Fischer studying variable predictors for functional disability of adolescents affected with Postural Orthostatic Tachycardia Syndrome.

CONFERENCE PRESENTATIONS

- . Associate Colleges of the Chicago Area. Student Symposium. Oral presentation. "Memory CD8+ T Cell Subsets Characterized by CD27 and CD43 Cell Surface Markers." Elmhurst, IL; April 14th, 2012

PROFESSIONAL AFFILIATIONS

- . Nanticoke Lenni-Lenape American Indian Tribe

LICENSES AND CERTIFICATIONS

- . Certified Nurse Aide License: WI & TN

INTERESTS

Rock climbing, guitar, piano, illustration, photography, exploring the new, and merging opposites like art and science