Greg Bunyea

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SKILLS

Learning Science
Cognitive Task Analysis (CTA), E-Learning, Backward Curriculum Design, KLI

Design
Learner-Centered Design, Prototyping, Affinity Diagramming, Usability Testing, Wireframing

Professional
Written/Verbal Communication, People Management, Public Speaking

TOOLS

Programming
JavaScript, Python, Bash, p5.js, React, Jekyll, Git, TravisCI

Instruction Design
OLI, CTAT (Intelligent Tutors)

Visual Design
Figma, Adobe XD, InDesign, Illustrator, Flash/Animate

COURSEWORK

Learning Media Design
Learner Experience Design
Personalized Online Learning I & II
E-Learning Design
Tools for Online Learning
Design for Educational Games

HONORS/AWARDS

METALS Merit Scholarship
2018-2019

Pledge of the Computing
Professional 2018

University at Buffalo Provost
Scholarship 2014-2018

EDUCATION

Carnegie Mellon University
Masters of Education Technology & Applied Learning Science (**METALS**)
Current GPA: 3.79
Aug 2018 - Aug 2019

University at Buffalo, SUNY
B.A. Computer Science
Cum laude, Concentration in Media Studies
Aug 2014 - May 2018

PROJECTS

Capstone Project
Client: Renaissance Learning, Inc.
Jan 2019 - present

- Supporting team of 4 to co-create product that meets needs of client
- Conducting SME interviews to understand analytics' usage in schools
- Planning 7 month research-prototype-iteration cycle with team

Zipper: Competency Assessment for PBL Courses
Client: Winchester Thurston Independent School (WT)
Aug - Dec 2018

- Conducted 6 rounds of research (5 interviews, 1 observation) at WT
- Analyzed needs for instructor-centered product design
- Co-designed app for assessing 21st Century Skills

Career Oriented ESL Curriculum
In Partnership with: Journey's End Refugee Services
Oct - Dec 2018

- Interviewed stakeholder to contextualize learners and environment
- Established a set of educational goals based on the population needs
- Developed one week of backward designed assessments, instruction
- Module currently in use by stakeholder at Journey's End in Buffalo NY

PhonicsTutor
In Partnership with: The CMU Children's School
Nov - Dec 2018

- Conducted CTA observation with class of kindergarteners
- Designed cognitive model and student interface for intelligent tutor
- Ran 3 testing trials, resulting in revised cognitive model
- Being modified for CMU's Global Learning XPRIZE $1m Finalist entry

RELEVANT EXPERIENCE

Head Teaching Assistant & Senior Research Aide
University at Buffalo, Buffalo NY
June 2016 - May 2018

- Developed content, activities for *CSE 199: How the Internet Works*
- Coordinated approximately 40 TAs and Faculty on weekly basis
- Processed data from Fall 2016 for effectiveness and improvement
- Scaled course from 440 to 660 students by shifting to seminar-style
- Activities and improvements still being used in current iteration of course