

TAYLOR MACMILLAN

EXPERIENCE

Interaset

Product Manager | Feb 2019 - Apr 2019

- Guided the launch of an Event Exploration feature from ideation through iterations and release, distilling user feedback into prioritized, actionable items
- Spearheaded an initiative to increase customer base, proposing new features based on analyzed workflows, user interviews, and evaluation of tradeoffs
- Investigated cost reductions by monitoring A/B tests on a new cloud platform
- Analyzed competitor products to identify market gaps and update roadmaps

UI/UX Developer | Jan 2019 - Mar 2019

- Designed and drove delivery of a new dashboard feature, reducing customer report creation time by up to 85%
- Increased user satisfaction by creating wireframes and prototypes to address key pain points discovered in user interviews
- Transformed designs into shippable features, creating robust React components

Centre for Addiction and Mental Health

Software Engineering Intern | May 2018 - Aug 2018

- Spearheaded a project to revolutionize the analysis of neuroimaging data, implementing a graph database to model more than 33,000 data points
- Acted as a liaison to the Blue Brain Project to coordinate collaboration worldwide, and pitched results to industry leaders at the 2018 INCF Congress
- Conducted user research on laboratory workflows to reveal inefficiencies, and proposed improvement recommendations to the senior executive team

Callidus Engineering

Junior Electrical Engineer | Sep 2017 - Dec 2017

- Designed healthcare and multi-unit residential electrical plans, determining load requirements, equipment sizes, and layouts to meet customer requests
- Implemented standardized drafting guidelines deployed across all teams

Electrical Contacts Limited


Junior Engineer | Jan 2017 - Apr 2017

- Implemented a resource allocation system, reducing delays in job backorders
- Streamlined plant operations with the development of ergonomically efficient floor plans and standardized tool set drawings


PROJECTS

PadLift | Designed the UI/UX for an application to visualize and plan home renovations, emphasizing efficiency and ease of use

ScheduPill | Researched and prototyped an innovative system to perform timely medication dispensing for older adults with memory loss

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SKILLS

Product Definition

Competitive Analysis

Iterative & User-Centered Design

User Interviews

Persona Development

Wireframing

Rapid Prototyping

Heuristic Evaluation

Leading Cross-Functional Teams

Fast-Paced Adaptability

Data-Driven Decision Making

TOOLS

Sketch, Figma

JIRA

HTML, CSS

Javascript, React, D3

Python, C++

Digital Circuits, Microcontrollers

Solidworks, AutoCAD

PUBLICATION

XNAT Data model extensio...

INCF 2018 - F1000 Research

EDUCATION

Systems Design Engineering

Univeristy of Waterloo

Academic Class Representative

Class of 2021

PASSIONS

UW Engineers Without Borders

Engineering Orientation Leader

Engineering Society Volunteer

UW Triathlon Club

Outdoor Enthusiast