Ryan M. Chambers

User Experience Designer - Web Programmer

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EDUCATION

University of California, San Diego — *BS Cognitive Science, Specialized in Human-Computer Interaction; Minor in Computer Science*

AUGUST 2015 - MARCH 2019

My studies in the cognitive and computer sciences at UCSD have led me to find interest in **human-computer interaction**, particularly via **user-centered design** in **web applications**. My class background is in psychology and neuroscience, programming, algorithm and system development, project management, and technical research.

San Marcos High School, San Marcos, CA

AUGUST 2013 - MAY 2015

While attending SMHS, I maintained a 4.6 GPA while participating in the **Associated Student Body,** primarily as a digital technician, running presentations and audio during school events.

PROJECTS

Augmented Connection

Augmented Connection is an **AR application** in **pervasive healthcare**, intended to better connect healthcare providers with patients who speak foreign languages, or are otherwise unfamiliar with medical terminology. Developed on the Microsoft Hololens, Augmented Connection provides a heads-up-display for doctors and patients in order to facilitate on the spot translation, along with keyword detection with details regarding medical descriptions pulled from the conversation.

Tech Stack - Microsoft Hololens, Azure API, Amazon Natural Language Processing API, Bluetooth Audio Feeds, Unity/C#

NeuroViz

NeuroViz is an **informatics**-based study aide for Cognitive Science students. Through the use of 3D models and intuitive information presentation, NeuroViz shortens the **onboarding process** for those new to neuroscience.

Tech Stack - Node.js (JavaScript), Bootstrap API, 3D Brain Model API, HTML and CSS (Desktop Web Application)

SKILLS

Project Roles

UX Designer

Prototyper (Low to High Fidelity)

Interaction Designer

User Researcher and Tester

Programmer

Programming Languages/Environments

C, C++, C#, Java, JavaScript, HTML, CSS, Blockchain Technology, Unity Environment, Git, Bash Shell (Unix Command-Line)

AWARDS

California Scholarship Federation

National Honor Society

LANGUAGES

English; familiar with **Spanish**

PERSONAL WEBSITE

ryanmchambers.me

DayToday

DayToday is a daily task planner for children and individuals with **attention difficulties**. Its simple interface, focused on the completion of tasks one by one, breaks down the daily to-do list into something more concise and motivating.

Tech Stack - Node.js (JavaScript), Bootstrap API, Flickr API, HTML and CSS (Mobile Web Application)

Imperia (Work in Progress)

Imperia is an **Ethereum blockchain** based social networking application intending to bring the virtual and physical worlds together. Through real, person to person transactions and environmental interactions via a **game-like interface**, users can customize their profiles and expand their influences; establish trade networks with friends; gather rare, blockchain-backed items; be themselves, extended.

Tech Stack - Node.js (JavaScript), Web3.js API (ETH Blockchain), Loom Network Side-chain, Bootstrap API, TBD.

HDH Waste Management Project

Responsible design, with recycling as a priority, led my team and myself to undergo a **user-centric research** process to determine the most ideal way of promoting recycling over trashing. Intermediate design solutions suggested improved signage, proposed a system for renting out reusable dishware, among others. The final design solution presented clear, pictorial representations of recyclables around the rims of disposal cans, with increased friction towards using the trash over recycling, improving the use of recycling and composting within the HDH dining halls of UCSD.

WORK EXPERIENCE

UCSD - Housing, Dining, and Hospitality — *Server*

OCTOBER 2015 - PRESENT

My primary roles within my two serving positions on the UCSD campus involve waiting at a full service restaurant, as well as high-end catering services. The main clientele include University students, faculty, and staff, as well as members of neighboring institutions, including the Salk Institute and Scripps Institute of Oceanography.

Skills: Time management, interaction with high-level clientele, calm and professional demeanor, independence, team organization, execution of complex events.

Albertsons — *Courtesy Clerk*

AUGUST 2013 - AUGUST 2015

As a courtesy clerk, my roles were to maintain cleanliness within the grocery store and take care of any and all customer needs, outside of money handling. I was the first line of action for any necessities on the store floor.