

ANESSA PETTERUTI

EDUCATION

Brown University | Providence, RI

SEP 2021 - MAY 2022 (expected)

Sc.M. Computer Science.

Brown University | Providence, RI

SEP 2017 - MAY 2021

Sc.B. Computer Science.

Rocky Hill School | East Greenwich, RI

SEP 2013 - JUNE 2017

Valedictorian, Summa Cum Laude, GPA: 97/100, AP Scholar

New England Conservatory | Boston, MA

SEP 2013 - MAY 2017

Piano Performance, High Honors Evaluation

EXPERIENCE & RESEARCH

Virtual Reality Research for VIS4DH | Providence, RI / remote

JUNE 2021 - NOV 2021

Researcher

- Developed VR environment in Unity for displaying artwork, known as the "Virtual Rosetta." Paper accepted and presented at the IEEE VIS4DH Conference in October, 2021. Research involved exploring various clustering and machine learning analysis techniques, ancient Vietnamese artwork datasets, and VR design layouts.

IBM | San Jose, CA

JUNE 2020 - AUG 2020

Software Engineering Intern

- Cognitive Development in the Center for Open Source Data and AI Technologies (CODAIT). Full stack development for machine learning deployment platform, KFServing. Worked with container systems Docker and Kubernetes. Developed backend API in Python and Swagger and frontend dashboard in React JS.

- Developed seven-part video series for Trusted AI to be published and promoted on IBM's platform and Linux Foundation AI. Conducted interviews with AI experts and IBM executives.

Upserve | Providence, RI

JUNE 2018 - AUG 2019

Software Engineering Intern

- As member of Point of Sale team, developed new features for the restaurant management technology company's mobile applications. Worked on debug of printing and menu code base in composable functional JavaScript in React.

Brown CS Teaching Assistant | Providence, RI

DEC 2019 - MAY 2020

Modern Web & Mobile Applications (CSCI 1320) Teaching Assistant

- Designed and developed course website for more than 200 students; held weekly office hours, assisted with course development in topics such as React, Vue, JS, HTML/CSS, Node.js, AWS, Ajax, and prototyping with Adobe XD and Figma.

FoodFinessa.com | East Greenwich, RI

MAY 2014 - PRESENT

Founder & Web Designer/Videographer

- Solely original content that combines interests in photography, film production, web design, and cooking.

Providence Journal | Providence, RI

MAY 2017 - AUG 2020

Freelance Journalist

- Produced dozens of original multimedia culinary content featured on the front page of the newspaper's food section and website.

CONTACT

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ACTIVITIES

Hack@Brown | Providence, RI

SEP 2018 - MAY 2020

Publicity & Outreach Head

- Define the Hack@Brown voice and promote the hackathon and workshops through social media and publicity campaigns. Provide mentorship to team members in social media strategy and engagement.

Chopin Club | Providence, RI

MAY 2017 - DEC 2021

Executive Director & Web Designer

- Selected by club president as the only student to serve on the Executive Board.

- Primary responsibilities include Head Web Designer and Public Relations committee member.

Brown Innovation Dojo | Providence, RI

JAN 2018 - APRIL 2018

Member

- Created a prototype through Adobe XD and devised a business plan for Leafyover, a mobile application helping people reduce food waste in semester-long entrepreneurship program.

SKILLS & SELECT PROJECTS

PROGRAMMING

Python, Swift, Go, Java, Tensorflow, PyTorch, React, Vue, JavaScript, TypeScript, HTML, CSS.

SOFTWARE

XCode, Git, Firebase/Firestore, Final Cut Pro X, AWS, Adobe Lightroom, Adobe Photoshop, Adobe XD, Figma, Balsamiq, InVision, LaTeX, Autodesk VINA, Pymol, Chimera, XQuartz.

PROJECTS

- Select projects published and available on the App Store.

LanguBrain (speech and text recognition translation app),

Upserve To-Go, (customer-facing application developed for

Upserve), **UScreen** (augmented reality mobile app displaying

the parts of the user's face most susceptible to sun damage),

Shell (interactive Linux shell), **Decision Tree** (recursive

machine learning algorithm predicting new decisions using

given data), **Model Selection** (binary logistic regression with

Tikhonov regularization model used to classify a cell as

malignant or benign), **Focus** (task management app designed

to improve mental and physical well-being), **ChatBee** (web

chatroom utilizing JQuery and MongoDB).

PIANO

Most recently performed in a series of masterclasses and concerts in Sala dei Notari, Perugia, Italy. Brown University Hope Chatterton Prize in Music. Carnegie Hall Festival 2016 selection. One of 13 advanced pianists out of 300+ applicants to represent the NEC and perform a series of public piano concerts in Germany. Studied at the Mozarteum in Salzburg, Austria.