

Miles Milosevich

software engineering, neuroscience, and math

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experience

Arcules | Software Engineering Internship [2020]

- Contributed to Unified UI, a customer portal built in React and Node for live camera feeds, automated camera configuration by ruleset, people counting, and other functions
- Developed Slack app in Golang for data reporting with parameters for organization, device type, device status, etc

SAP-Eureka | Software Engineering Internship [2019]

- Worked with team to develop Google Cloud pipeline for document analysis
- Performed benchmarking on COTS Machine Learning based OCR/NLP document data extraction models

notable projects

AlchemVR | Labs in Virtual Reality [2019-2020]

- Produced a VR Lab Safety Simulation in Unity with functional object interactions
- Created platform for custom lab scenarios

Brainsizes | An Interactive Brain Model [Current]

- Working with Allen Brain Atlas's Coronal Slice Database to develop interactive model of brain
- Slices analyzed with OpenCV, model presented in Three.js

involvement

Game Development for Autism Research [2020]

- Worked with Dr. Louanne Boyd's research team to develop optimized environments in Unity VR for children with autism.

UI Development for Local Businesses [2019]

- Worked with Chapman UX Society to develop sites for local businesses.

education

Chapman University

B.S. in Software Engineering, Minor in Neuroscience and Math

Presidential Scholar

Graduation: 2022

Monte Vista High School

4.1 GPA Weighted / 3.83 Unweighted

Involved in FIRST Robotics and Science Alliance

Graduated with Honors

leadership & volunteering

Senior Patrol Leader, Eagle Scout | Troop 803

Eagle Scout awarded for building infrastructure for local animal shelters

Black Belt | ABK Danville (2017)

12 years training, would often instruct lower belt classes

Mission Trip Build Leader | AMOR

Spent spring breaks in HS leading groups to build houses for underserved families in Tijuana, Mexico.

skills

Programming: Python3, C/C#/C++, Java, Golang, SQL, Javascript, Regex

Frameworks: Node, React, Express, PostgreSQL, Flask

Tools: GCP, Kubernetes, Unity, Docker, Apache, REST APIs, Postman, Jupyter Notebook, Jenkins, Wireshark

Misc: Open source prototyping, Arduino & Raspberry Pi, Linux

references available upon request