

Charles Richardson

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EDUCATION

Fluent in Spanish

University of Florida (UF)

BS Computer Science Engineering Fernandez Family Scholar

Dec '23

Artificial Intelligence Innovation Minor

May '22

AI Fundamentals & Applications/NVIDIA Deep Learning Certificates

May '23

PROJECTS

User Experience Designer * Full Stack Engineer on VisualPT (Gait^R)

Mar '22 - now

Developing time & effort-saving physical therapist workflows for balance performance tests

Harnessing Testflight to continuously iterate on user feedback, [published to the iOS App Store](#)

Data Scientist * Media Designer on HEATMAP [...background](#)

Dec '22

Visualized 5.6GB of GPX/FIT data on Google Maps, developed 4 path animations

40 hours of data engineering on Python, Typescript, & HTML; 5500 hours of data collecting

Scrum Master * Full Stack Engineer on BEAT

Feb - Nov '22

Visualized the effect of routine on health & productivity with a dataset of 400k+ elements

Designed & engineered ICS → CSV data converter with recurring event handler in Python

INDUSTRY

Software Developer Assistant @ UF Business Affairs Technical Service

Aug '21 - '22

Accelerated Environmental Health/Safety & Real Estate department workflows by digitizing paperwork

Assembly Technician @ Slice Engineering

May - Aug '21

Defined & executed 8 full-scope inspection methods for 3D-printer components

Accelerated order fulfillment by 13% using the lean method

COMMUNITY

UF Association of Computer Engineers

President Realigning Computer Engineering as the clubs' main priority

Dec '22 - now

Project Manager Web-dev & -scraping workshops, website maintenance

Dec '21 - '22

Project Developer Built [React site with a portal for no-code updates](#) with 6 recruits

Jan - Dec '21

UF TriGators Triathlon Club

Outreach Coordinator Delivering value to members & businesses

Jan '22 - now

Captain Led weekly practices, arranged multiple [100+ mile rides](#) with minimal costs

Jan '21 - '23

Cycling Coach 14 year old with 3x heart surgery, from near-last place to top-3

Sep '20 - Dec '21

Running Coach 23 year old, 20% 5-kilometer time reduction

Sep - Dec '20

DEVELOPMENT	Dart	Python	Javascript	C++	Matlab	SQL/noSQL	Angular
USER INTERFACE	Flutter	HTML/CSS	ReactJS	PremierePro	Figma	Miro	
TEAM/PLATFORM	Github	VsCode	Xcode	GCloud	AWS	Agile/Lean	Jira