

i_XPERIENCE



Web Development Internship Explorer

Industry: Sustainable Development

www.58.life

COMPANY & PROJECT

Set in Johannesburg's highveld of the Cradle of Humankind, 58 is a place to restore conscious appreciation for life in all its manifestations and create a model for a regenerative society. Born from values of collaboration, community, spirituality and regeneration, the project aims to create a thoughtful platform for progressive discussions and experiences that realign us with our humanity and nature. In its role as a facilitator, 58 provides a space for local and international leaders to convene in a place that is conducive for expansive thinking, while being surrounded by the physical manifestations of our own appreciation for life.

They are looking for a team who can create minimalist and clean iterations of:

- An internal booking system for their restaurant, accommodation and experiences;
- 'Toggle'-like overviews for some of the individual pages and other ways to create a more engaging and experience-based website; and
- A mobile-friendly interface.

THE MANAGER



Julia Persson
Creative Director

TEAM & CULTURE

The team is a transdisciplinary group of young, energetic and brilliant minds who have a knack for getting things done - and done well. Our culture is that of mindfully considered co-creation and collaboration in an environment where people can connect to nature, to themselves and to each other, in a more meaningful and enjoyable way.

Cellier Wine Tanks



Industry: Wine Production

www.cellierwinetanks.com

COMPANY & PROJECT

Cellier manufactures premium concrete wine tanks for the South African and international winemaking markets that compete with established international competitors. They aim to provide economic opportunities for the local South African economy while giving back to the community and the environment through education and conservation. With South African wine being amongst the very best on the planet, the industry is at the forefront of innovation and developing ever more sustainable winemaking practices.

For this project, Web Dev interns will be collaborating closely with a team from the Management Consulting class. The teams can take turns sitting in on one another's meetings to take notes on strategy progress, as well as to provide updates to one another.

For this project, interns will:

- Liaise with the Management Consulting students to develop an online strategy in line with the go-to-market strategy;
- Produce and launch the Cellier Wine Tanks web and mobile sites on Squarespace in collaboration with Dani Swanepoel, the company's in-house designer and online manager;
- Integrate the website with social media platforms and develop an advertising strategy; and
- Optimise awareness, lead qualification and lead conversion with an underlying sales/conversion funnel structure.

While this project will require HTML and CSS skills, it is broader in scope - SEO, Google Adwords and social media scheduling applications will also be involved here, along with a unique opportunity to collaborate with a team from another course with another skill set and perspective.

THE MANAGER



Dani Swanepoel
Designer & Online
Manager

TEAM + CULTURE

We are a dynamic and thriving young team with ambitious entrepreneurial spirits aiming to make a difference in the industry. Cellier Wine Tanks takes winemaking back to its roots: wine has been made in egg-shaped concrete and stone tanks for thousands of years. We are based in Cape Town, South Africa.

Cookie Jar



Industry: Social Media

www.mycookiejar.app

COMPANY & PROJECT

Cookie Jar is a collaborative mixed-media scrapbook that allows users to relive their favorite moments. The platform enables users to stockpile memories and journal the exciting parts of life. It's a place for all your favorite mixed media—photos, music, voice memos, and quotes—to view in times of need. Instead of shuffling a music playlist, a user can shuffle all of their media, (cookies) from a specifically sorted album (jar). It's a type of 'anti-social' social media because the only person you are trying to impress is yourself.

Interns will work on a series of features in the Cookie Jar app:

- Developing basic frontend functionality (developed in Flutter under the supervision of two of Cookie Jar's leading engineers);
- Taking a completed wireframe and implementing it into a working MVP; and
- The basics of backed Web Maintenance (Lamda API gateway and RDS: AWS Serverless).

In this project, interns will work with iXperience alumni and understand the agile work environment with a web-based and international team.

THE MANAGER



Hans Brunk
CEO
and iXperience alum
(Product Management
Cape Town, 2018)

TEAM + CULTURE

Based in Colorado, Cookie Jar is a group of iXperience alumni who have banded together to bring to life their experiences around the world. The result is Cookie Jar - a collaborative mixed-media scrapbook that allows users to relive their favorite moments.

Datasaur.ai

Industry: Artificial Intelligence

www.datasaur.ai



COMPANY & PROJECT

A key distinguishing trait of the human species is our ability to invent and utilize tools to give us an evolutionary advantage. Datasaur was founded on the premise that building the right tools can further the adoption and democratization of artificial intelligence. Companies both large and small have re-invented the wheel in building their own ad hoc data labeling tools. We strive to combine all the industry's best practices and create a machine learning platform so our clients can focus on doing what they do best.

We allow labelers to upload a raw file to be labeled by using our UI. We recently learned that our users use different import formats. We'd like to build a feature that allows user to write their own scripts to parse custom raw files into Datasaur internal formats. Interns will work with:

- An interactive Code Editor within the browser to allow Datasaur users to implement customized import/export behavior based on their specific needs;
- A strongly-typed Code Editor powered by TypeScript to enable smooth coding experience with IntelliSense and autocompletes;
- Script Templates that depend on specific behavior the user needs to customize;
- An integration of the interactive Code Editor with a pre-defined GraphQL endpoint; and
- An isolated library component that is exportable and importable to other React projects.

THE MANAGER



Ivan Lee
CEO

TEAM & CULTURE

Based in Silicon Valley, we are an innovative startup with a fully distributed team (since before quarantine!) across five different cities.

Datasaur's founder, Ivan Lee, graduated from Stanford with a Computer Science degree and is backed by top-tier Silicon Valley investors including Initialized Capital, Y Combinator and the CTO of Open AI. His first company was acquired by Yahoo! in 2013.

DikokoTech

Industry: Technology Consultancy and Big Data

www.dikokotech.co.za



COMPANY & PROJECT

Dikoko Technologies is a tech consultancy geared towards being a specialised start-up. As a technology consultancy, they provide clients with services in software development, machine learning and cloud computing. Their mission is to pioneer innovation for problem-solving in Africa and other developing regions. They currently have two software projects they are building; an Electronic Health Records system, and Sports Analytics platform.

Interns can choose **one** of two projects:

- 1. EHR System project:** This platform enables health practitioners to keep track of patient visits using FHIR API standards. This project will involve developing basic front end functionality (developed with Angular) to gain a basic understanding of the following Azure Services: Active Directory, DevOps, FHIR API and App Services. The goal is for interns to have a clear understanding of how to take a completed wireframe and implement it into a working MVP. Interns will develop a basic understanding of creating modules that call the Azure FHIR API.
- 2. Sports Analytics project:** This platform enables coaches and sports scientists to manage and monitor player performance. The objective is to develop basic front end functionality in React JS, along with a basic understanding of the following Azure Services: Active Directory, DevOps, Blob Storage. Interns will develop a clear understanding of how to take a completed wireframe and implement it into a working MVP, and a basic understanding of creating modules that call a RESTful API defined using Swagger.

THE MANAGER



Boitumelo Dikoko
Founder & CEO

TEAM & CULTURE

At DikokoTech, we offer Big Data solutions by remaining committed to using the latest technology and research to build cutting-edge software and data solutions.

Emaze

Industry: Digital Content Creation

www.emaze.com



COMPANY & PROJECT

Brands and content creators need a better way to reach their fans and collect data, no matter which new social media platform becomes popular next. They need a scalable tool that puts the power in their hands and enables them to create their own customized, branded websites. Brands and everyday users need an open platform social media network that centralizes all feeds without any walled garden guidelines. Emaze is cloud-based HTML5 content creation software, which enables users to create professionally-designed digital content that is 100% customizable. Emaze has leveraged patented automatic design technology to give brands and consumers more engaging, customized and productive social media experiences, whatever the future trends of social media may be.

The project will be comprised of many different user interface components and widgets that need to be worked on in order to improve the user experience of the main platform. Interns will get a lot of experience across the front-end web landscape and make lots of exciting changes to the platform.

THE MANAGER



David Edri
CEO

TEAM & CULTURE

Expect direct, hands-on contact with the CEO, a vibrant startup culture, a team-oriented environment and learning what it means to work with creativity champions

Industry: Biomedical Tech

www.impulsebiomed.com

COMPANY & PROJECT

Impulse Biomedical develops affordable healthcare technologies for emerging and developing world markets. Their Easy Squeezy technology is a sleeve attachment for the standard asthma metered dose inhaler that reduces the activation force of a standard inhaler from 40N down to 12.25N, allowing children as young as five to use their own inhalers in emergency situations. Impulse's technology features a built-in dosage counter and animated character stickers to combat the stigma faced by children with asthma.

They are currently industrialising the device and should have prototypes in the next few months. Now, they are working on a marketing plan for the device that encapsulates the value proposition of the device and allows potential customers to view the device online or on an app and then purchase it.

After doing a soft launch of the device, they aim to incorporate an IoT component to the device that keeps track of the doses digitally. This digital tracking will be incorporated into the app in time and will gamify inhaler usage in a way that de-stigmatizes the use of inhalers and keeps track of user compliance.

For this project, interns will be tasked with developing an interactive webpage that will help market and sell the Easy Squeezy, as well as develop a hybrid mobile application using standard web technology. Interns will work on:

- A wireframe of what the app/hybrid should look like and function. This wireframe should include the marketing component, the payment portal and the digital dosage counting (which can be gamified) components of the device;
- The design and development of a website that has a payment portal to market and purchase the device; and
- A hybrid app based on the website that helps market the Easy Squeezy.

THE MANAGER



Giancarlo Beukes
Co-Founder

TEAM & CULTURE

Impulse is a team of seven working in a highly entrepreneurial environment.

We value flexibility over structure in all that we do.

The Nirox Foundation

Industry: The Arts

www.niroxarts.com

COMPANY & PROJECT

The NIROX Foundation is a registered non-profit trust established and run for the benefit of the arts. NIROX comprises of a world-renowned sculpture park, artist residency, studios and workshops, outdoor concert venues and related function facilities. The unparalleled NIROX Sculpture Park is located on 20 hectares of immaculately landscaped gardens and waterways in the Cradle of Humankind - a UNESCO World Heritage Site outside Johannesburg which is a rich source of early hominid fossils, including the famed *Mrs Ples* and the more recently-discovered *Homo Naledi*. The NIROX Foundation is committed to excellence in all disciplines of contemporary arts in South Africa and across the world.

They need a team to create an internal booking platform for patrons of the Foundation and for attending events, as well as to create a more engaging and experience-based website, including a mobile-friendly interface.

THE MANAGER



Julia Persson
Creative Director

TEAM & CULTURE

At NIROX, we push creative boundaries by combining passion and social purpose in an effort to support our diverse community of artists, entrepreneurs, activists and culture producers. Our transdisciplinary team embodies our culture of promoting social inclusion, cultural diversity and human development.

COMPANY & PROJECT

Nourish'd is a fast-growing brand at the center of health food/veganism in Cape Town. Their mission is to raise awareness about the benefits of a plant-based, waste-free lifestyle, and improve the health of both humans and earth through delicious, nourishing and sustainable food. Their vision is to create a world of healthy, vibrant individuals striving to make a positive difference on the planet; a plant-based utopia. Their values are to be sustainable, ethical, plant-based, and healthy.

The project here will be to enhance their customer-facing website as well as their restaurant food and drink ordering system. They want their customers to be able to order meals via their mobile app.

THE MANAGER



Sam Chambers
Marketing Manager

TEAM & CULTURE

Our team is built of dynamic, multi-talented individuals dedicated to helping make our vision a reality. We believe in flexibility and a holistic approach to work, allowing many creative staff members to work from home on their own time. We also put a lot of effort into empowering our staff through courses, workshops and training programs.

Analytics



Industry: Supply Chain/IoT

www.onalytics.tech

COMPANY & PROJECT

Onalytics designs, develops and markets intelligent IoT solutions to track and monitor returnable business assets. They are currently shipping the first version of ONKEG, Onalytics' tracking and monitoring solution for beer kegs. The ONKEG solution includes a device to be attached to the beer keg, which provides connectivity to a cloud-based platform where users are able to retrieve information on the kegs' movements in the supply chain sites (from the brewery, distribution centers, wholesalers and points of consumption).

Interns will be tasked with building components for the cloud platform, namely:

- Representations of the supply chain sites;
- Sankey diagrams;
- Tables to be exported to PDF and CSV formats; and
- Interactive graphics.

THE MANAGER



João Tacanho
Managing Partner

TEAM + CULTURE

The Onalytics team came together to solve a challenge that many customers asked us to address: a cost-effective and power efficient IoT tracking and monitoring solution for industrial assets moving around remote indoor and outdoor locations. So we set out to design, develop and market IoT solutions focused on specific industry challenges. We are based in Lisbon, Portugal, but our customers are global.

Industry: Waste and Recycling

www.regenize.co.za

COMPANY & PROJECT

Founded in Cape Town, Regenize builds solutions that make environmental activities such as recycling, reducing, and reusing accessible, inclusive, and rewarding. Their mission is to assist cities in creating environmentally educated and active residents.

Only 7.5% of South Africans recycle - which means that over 90% of SA's waste that could be recycled ends up in landfills. In a country dealing with many issues, recycling is not a priority, and falls to the wayside. Regenize sees that there is more to it than just 'saving the environment'; it's about making changes to our daily living that can impact our lives and others positively.

Through recycling, the founders wanted to provide an avenue for recyclers to contribute toward positive social change. By recycling with Regenize, citizens are helping to shape a future where their environmental impact can be the catalyst for influencing industry behaviour, creating opportunities for communities to access recycling services and support for waste pickers – who are at the heart of driving recycling up in the country.

Interns will be tasked with working on:

- New functionality on the Simplified Remali app;
- Understanding the integration between the Simplified Remali app and the AWS back-end;
- Improving the UI of the Simplified Remali app using the Figma wireframes as a guide; and
- Contributing towards the development of the Remali 2.0 app.

THE MANAGER



Chad Robertson
Co-Founder and CEO

TEAM + CULTURE

The name Regenize was created through the combination of three words which describes Regenize.

Re - representing reduce, reuse or recycle;
Gen - represents generation;
Nize - it sounds 'nize' so we added it.

Industry: e-Commerce

www.sealandgear.com

COMPANY & PROJECT

Born in Cape Town, Sealand creates environmentally smart high-end bags, accessories and apparel. They reuse the structural properties and textures of waste materials in a new context while mitigating the generation of waste and promoting sustainability.

The main goal and focus of this project is to determine how the company can increase the e-commerce conversion rate on their website. The main question is: what kind of user interface and user experience changes could be applied in order to reach that goal? Interns will also need to implement the changes to test them out against the live version of the store and real customers. Other questions to address include:

- What is the general customer journey like on the site, are there any pain points in browsing and is it necessary for there to be an update in UI copy and UX content? How can we encourage more pages per session?
- How does the customer perceive the product selection and how it is presented?
- How does a customer perceive the checkout process, as a guest or creating an account?
- How can abandoned carts be reduced by 15%?
- Are there any short or longer form suggestions that could increase the ease of browsing, checking out and purchasing?

THE MANAGER



Jessica Carolissen
Marketing Manager

TEAM & CULTURE

Our start-up team lives the Sealand brand with combined passions for business, the wondrous outdoors, and life. While Mike Schleich and Jasper Eales are known as the founders of Sealand, it is the studio crew that drives us.

Amongst the Sealand family sit big wave surfers, innovative oddballs, highly skilled craftspeople, and some of the widest smiles the African continent has to offer.

Together, we bring inspired design in upcycled material texture combinations from the drawing board to the rack.

TempJobs

Industry: Recruiting

www.tempjobs.pt



COMPANY & PROJECT

TempJobs was started with the goal to connect companies in Portugal with available and relevant temporary workers as quickly as possible. To that end, they have built an app that allows workers to set up their availability, and employers to send shift requests directly to them.

They have started a new partnership with a temporary work agency and they need to get them a different set of functionalities and visuals on the app. The main goal is to change some CSS and eliminate some functionalities built in the original app, intended for freelance workers (invoicing, stripe payment API, etc).

THE MANAGER



Tiago Pereira
CEO

TEAM & CULTURE

We are a young and passionate tech startup based in Lisbon, Portugal. We are passionate about making a difference in the industry and thrive on collaboration, teamwork and innovation.

COMPANY & PROJECT

Wahy is a digital portal with a vision to inspire leaders of tomorrow in the GCC. They curate inspirational talks and workshops for schools by bringing inspirational business leaders, founders and entrepreneurs to share their stories, knowledge and perspective with students in a structured format that promotes heightened engagement and impactful learning.

Wahy was founded in September 2019 with the goal to bridge the gap between education and industry and provide students with the necessary resources and skill sets to better prepare for their career.

For this project, interns will get the unique opportunity to work closely with serial entrepreneurs and investors in the tech space to fulfill Wahy's vision for the Middle East by working on valuable features for Wahy's website, such as creating interactive tools to enhance customer engagement. This includes allowing the co-founders to edit the website without having to request changes from the developers, to creating a blog tab for Wahy to create online content for the users.

THE MANAGER



Ashlene Ramadan
Co-Founder

TEAM + CULTURE

Wahy is a team of young and passionate entrepreneurs. We welcome ideas from students and interns.

We work closely with our team and ensure that our colleagues and students are gaining value with the work they are putting in. As we are a team of mentors and passionate founders, we ensure seamless and great communication with our students and interns to make sure they understand the work that needs to be done and what value they are getting out of it.

COMPANY & PROJECT

Based in Portugal, Wisecrop is an Agricultural Operating System - a centralized, easy-to-use online interface to support farmers in the daily management of their businesses. They are revolutionizing the way farming is perceived, while ensuring farmers are supported to produce enough high-quality food for years to come.

This project will focus on improving the web application that the farmers and administrators use daily. Some of the tasks include:

- Building a method to create marketing campaigns within Wisecrop (a campaign creator to provide autonomy to the team after the internship is over);
- Creating links in several pages to redirect to the tutorials/FAQs page;
- Improving the responsiveness of some pages; and
- Restructuring some frameworks (e.g. graphs).

THE MANAGER



Tiago Sá
Co-Founder and CEO

TEAM & CULTURE

We are a team of passionate technologists and entrepreneurs making a difference in the agricultural industry. We thrive on innovation and collaboration.

Explore your options

Use this guide to research your internship options. We also encourage you to set up a 1:1 with your teaching teams to chat further about your goals and how they align with the available internships. You will have the opportunity to complete a preference survey during your first week of class.



[Review the Internship Guide](#)