

OctavianContis

INFP-T (mediator/diplomat)

Detail oriented individual, organized, flexible with great technical skillset, problem solving and critical thinking abilities. I am a reliable, trustworthy and flexible individual who can learn new skills easily and execute them swiftly. I can work unsupervised alone or as a member of a team and I like to use my skills to make a positive contribution to the workforce and community.

EDUCATION

2015 – present

BSC IN COMPUTING – Birkbeck university of London – part-time

- + Mathematics for Computing
- + Practical Software Engineering
- + Concepts of intelligent Technologies
- + Database Management
- + Mobile Web Application Development
- + Middleware components
- + Professional issues in computing
- + Interactive systems design
- + Web data with XML, JSON and AJAX

2012 –2015

FOUNDATION DEGREE IN IT – Birkbeck university of London – part-time

- + Introduction to database technology
- + Introduction to web authoring using HTML and CSS
- + JavaScript
- + Web programming using PHP
- + Problem Solving for Programming

2012 –2015

ELECTRONICS COLLEGE – Augustin Maier College – Cluj-Napoca

- + Level 1 : Worker in Electronics
- + Level 2 : Electronics and networks engineer
- + Level 3 : Technological/technical electronic technician

EMPLOYMENT

2014 - 2018

ELECTRICAL AND ELECTRONICS SPECIALIST – FEM ltd

- + Perform Design Validation (DV) testing (Environmental, Mechanical, Electrical, Photometric, EMC , Safety) of lighting products in accordance with established company, customer, industry, and regulatory standards and specifications.
- + Functional test and debug of complex digital and analog circuitry operating as stand-alone and at system level configurations.
- + Troubleshoot electronic circuits at the component level; use of oscilloscopes, counters, timers, digital multi-meters, signal generators, and power supplies.
- + Assists engineers in test set-ups, including soldering and wiring of lamps.
- + Monitor, review and log-in progress of testing and measure outcomes.
- + Other responsibilities include: Logistics, Order management, Customer support, Lighting design(Relux).
- + In-depth knowledge of LED lamps and smart systems.

2012 - 2014

IT TECHNICIAN AND WEB DEVELOPER – Freelance

- + Setting up workstations with computers and necessary peripheral devices.
- + Checking computer hardware and peripherals to ensure functionality.
- + Installing and configuring appropriate software and functions according to specifications
- + Build and update current websites to meet modern web standards
- + Experience in using content management systems (Wordpress)
- + Solid understanding of HTML5/CSS3, jQuery and responsive design
- + Solid understanding of database theory, design and management
- + Knowledge of structured query language (SQL)

2005 - 2008

ELECTRICAL ENGINEERING APRENTICE – College Training Program

- + Investigating electronic malfunctions and defects
- + Repair and test consumer/industrial electronics
- + Build basic electronic circuits

SKILLS SUMMARY

Front End
Frameworks/CMS
Back End
Web Tools
Other
Utilities
Technical

HTML(5), CSS(3), jQuery, Bootstrap, javaScript, json
React, Meteor, Wordpress
MySQL, PHP, Java, IPFS, nodeJS, Solidity
SEO, Analytics, MailChimp, Git, API-s
Machine Learning, Blockchain Development, Lighting Design(Relux)
AutoCAD, Adobe Suite, Microsoft Office, Windows, Linux
Electronic, Electrical, Networking, Hardware

AWARDS

2010
2013
2015
2016
2017

NATIONAL DIPLOMA - Diploma of advanced PC user

THE LIA - Photometric and optical testing

CODECADEMY - HTML & CSS, jQuery, SASS, JavaScript, GIT, Resp. Design

KHAN ACADEMY - Journey into Cryptography

THE LIA - BSEN 60598-1 Edition 8

OTHER

LANGUAGES – Romanian(native), English(proficient user)

DRIVING LICENCE – Cat B (UK)

PORTOFOLIO

OGEO

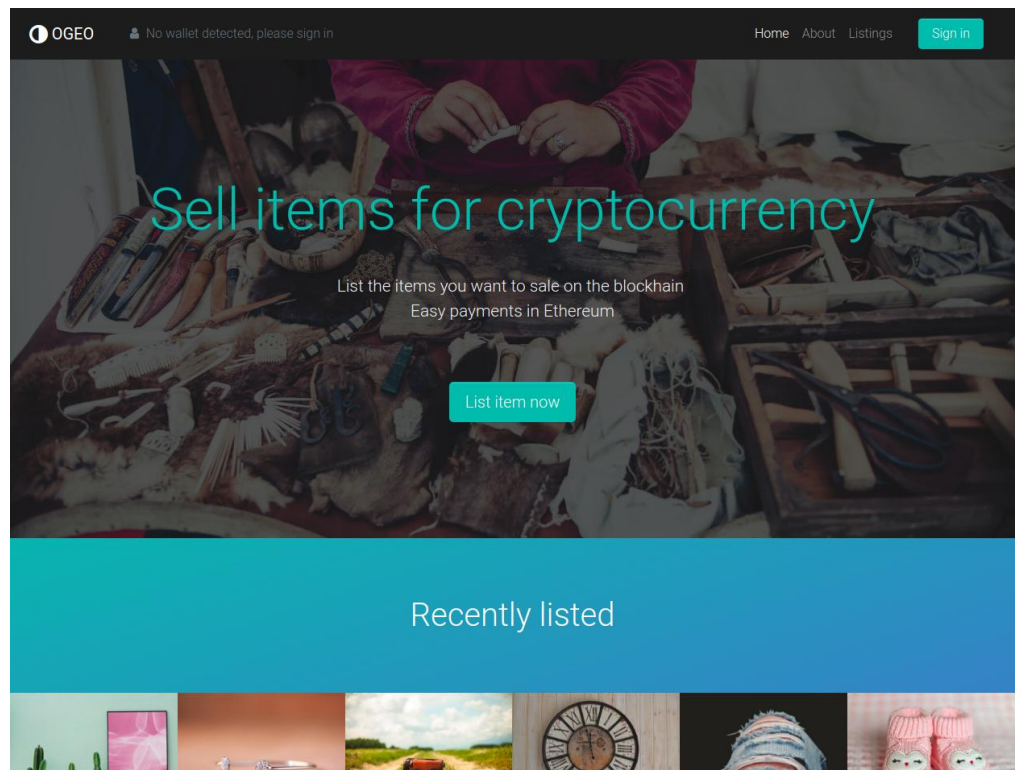
Git Project

Decentralized ecommerce application built with IPFS and Blockchain technology.
- Final year project.

Achievements:

- self taught Solidity
- Develop smart contracts
- Set up blockchain test environment
- Design and prototype clean user interface
- Interact with IPFS protocol

Project Report



Organic Geometry

www.organic-geometry.com

Being enthusiast of geometry, with background in technical field, I have developed an interest for fine arts by looking at world through the eyes of nature. By curating Organic Geometry I want to share my vision with the community that has been built around it over the years.

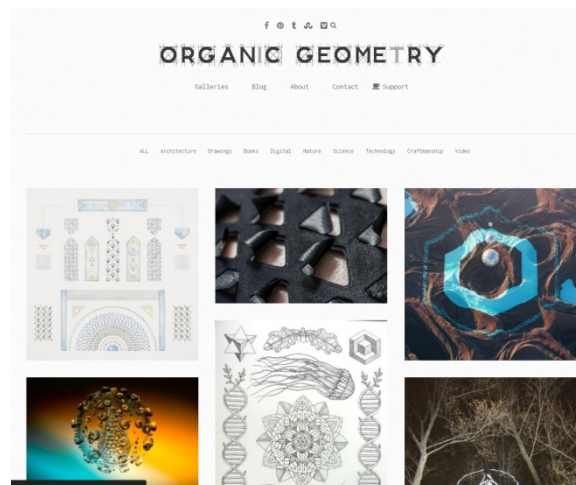
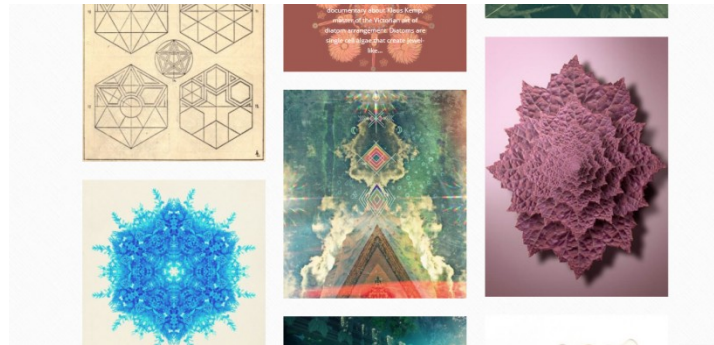
– Personal project

Responsibilities:

- Design and Implementation
- CMS (wordpress)
- Social media integration
- Analytics
- Newsletter integration

Achievements:

- Fast growing community of art enthusiasts (over 90K followers on Facebook)
- Self taught CMS



"In terms of reconfigurable metamaterials, the design space is incredibly large and so the challenge is to come up with smart strategies to explore it," said **Kata Bertoldi**, John L. Loeb Associate Professor of the Natural Sciences at SEAS and senior author of the paper. "Through a collaboration with designers and mathematicians, we found a way to generalize these rules and quickly generate a lot of interesting designs."

Bertoldi and former graduate student **Johannes Overvelde**, who is the first author of the paper, collaborated with **Chuck Hoberman**, of the Harvard Graduate School of Design (GSDD) and associate faculty at the Wyss and **James Weaver**, a senior research scientist at the Wyss, to design the metamaterial.

The research began in 2014, when Hoberman showed Bertoldi his original designs for a family of foldable structures, including a prototype of an extruded cube. "We were amazed by how easily it could fold and change shape," said Bertoldi. "We realized that these simple geometries could be used as building blocks to form a new class of reconfigurable metamaterials but it took us a long time to identify a robust design strategy to achieve this."

The interdisciplinary team realized that assemblies of polyhedra can be used as a template to design extruded reconfigurable thin-walled structures, dramatically simplifying the design process.

"By combining design and computational modeling, we were able to identify a wide range of different rearrangements and create a blueprint or DNA for building these materials in the future," said Overvelde, now scientific group leader of the Soft Robotic Matter group at FOM Institute AMOLF in the Netherlands.



The same computational models can also be used to quantify all the different ways in which the material could bend and how that affected effective material properties like stiffness. This way they could quickly scan close to a million different designs, and select those with the preferred response.

Once a specific design was selected, the team constructed working prototypes of each 3D metamaterial both using laser-cut cardboard and double-sided tape, and multimaterial 3D printing. Like origami, the resulting structure can be folded along its edges to change shape.

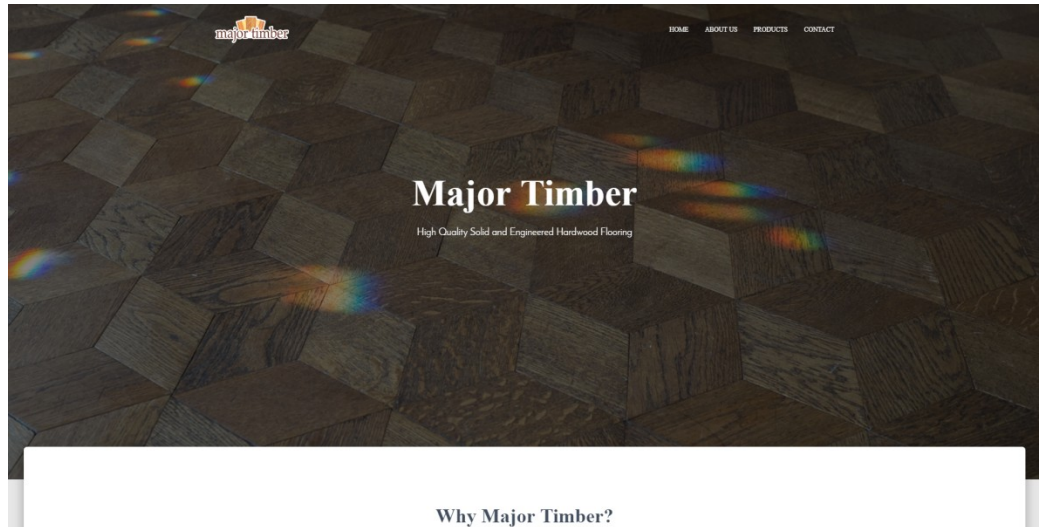
Major Timber

www.majortimber.com

Major timber is a trade supplier specialized in solid and engineered hardwood flooring which is available in a wide variety of dimensions and finishes.

Features:

- CMS (wordpress)
- Cross browser compatible
- Responsive



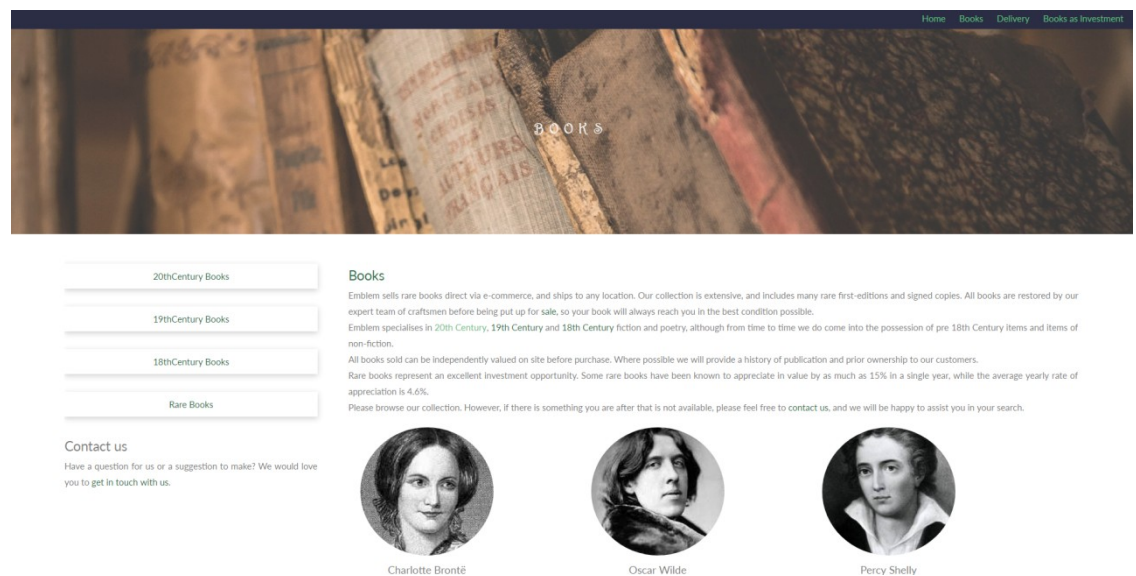
Emblem Books [link](#)

Emblem Books website depicts the skills acquired in Advanced Web Authoring module.

– University project - 2017

Features:

- Design and Implementation
- HMTL5 and CSS3
- Cross browser compatible
- Responsive



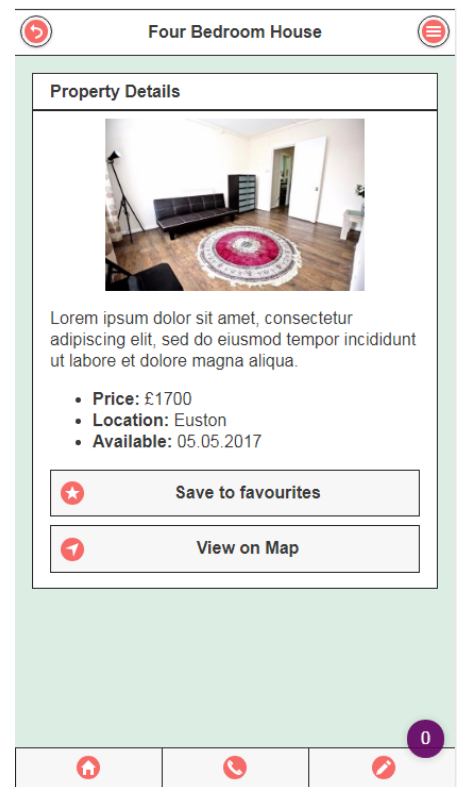
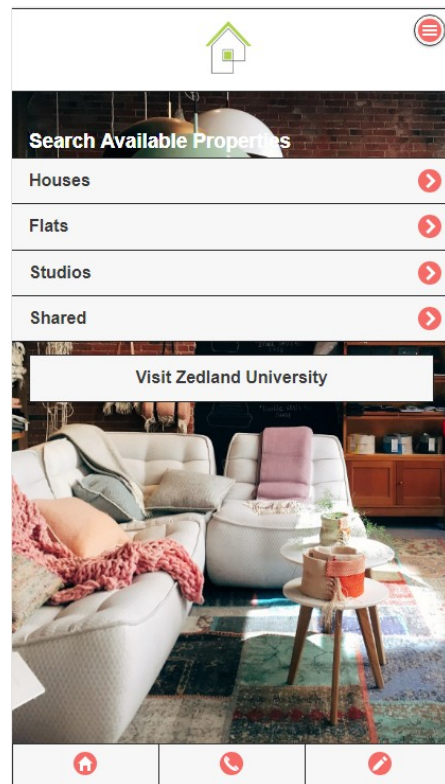
Zedland University link

Zedland University is a web app accommodation service for students built with modern technologies in order to meet the course functional objectives.

– University project - 2017

Features:

- HTML5 and CSS3
- jQuery Mobile
- Json
- Responsive
- Cross-browser compatibility
- Google map API integration



Yum Juices link

Modern looking webpage with store integration built as part of university course.

– University project - 2013

Responsibilities:

- Design and Implementation
- HTML & CSS
- XML



Simple Loan Calculator

[link](#)

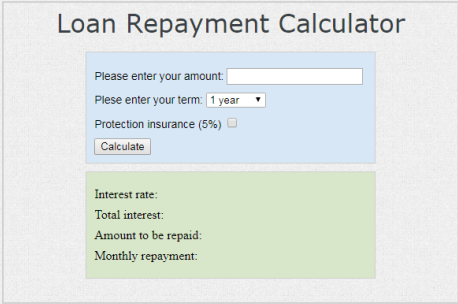
A simple Javascript loan calculator built as part of university course.

– University project - 2012

Responsibilities:

-Design and Implementation

-Javascript



The screenshot shows a web form titled "Loan Repayment Calculator". The form is divided into two main sections: a light blue input section and a light green output section. The input section contains three fields: "Please enter your amount:" with a text input box, "Please enter your term:" with a dropdown menu showing "1 year", and "Protection insurance (5%)" with a checkbox. A "Calculate" button is located below these fields. The output section displays four results: "Interest rate:", "Total interest:", "Amount to be repaid:", and "Monthly repayment:", each followed by a blank space for the calculated value. At the bottom of the form, there is a copyright notice: "© 2012 Octipus Design".