Eleni Chasioti

Senior Computational Designer | Architect

Based in London, UK
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Education

Integrated Master, The Aristotle University of Thessaloniki, Faculty of Engineering, School of Architecture

September 2013 to February 2019, Thessaloniki, Greece

Diploma of Architect Engineer, 5-year Integrated Master in Architectural Engineering (Excellent: 9.19). Registered Architect in Techincal Chamber of Greece (2021- current).

MSc in Architectural Computation, University College of London, The Bartlett

September 2019 to September 2020, London, UK

MSc in Architectural Computation (Distinction) Thesis: Gameplay with encoded Architectural tilesets: A computational framework for building massing design using the wave function collapse algorithm.

Certifications

Google UX Design Professional Certificate, Coursera

Issued December 2020, remote - Credential ID FQ3RP6HTFULN

Professional Experience

Architect / Makridis Associates

March 2019 to August 2019, Thessaloniki, Greece

Worked on medium-scale, construction and renovation projects individually and as part of a design team. Mainly focused on hospitality and residential projects.

Computational Designer (Front-end developer) / BrydenWood

November 2020 to January 2023, London, UK

Senior Computational Designer (Front-end developer) / BrydenWood

January 2023 to present, London, UK

Worked on web applications for building configuration, feasibility studies, design automation, and data visualization. Additional responsibilities included product design, data strategy, data manipulation, and code testing.

Excerpt of Work

Data-center Building Configurator
Stack: Unity 3D, C#, Javascript, CSS, HTML, MapBox, Threejs, PptxGenJS, MongoDB

Web application for a configurator of data center buildings within a 3D modeling environment. The app includes geolocated sites for configurations, integration with a database and Bim360, and export of data and reports in various forms (PPT presentation, excel, etc).

Feasibility Studies Application
Stack: Javascript, CSS, HTML, Material.io, Google Maps, Threejs, MongoDB

Web application to perform feasibility studies, cost evaluation, and generative design to investigate 3D design variations. The purpose of the application was to support the decision to acquire sites of interest for data centers in various locations worldwide.

Power Station Facility Configurator
Stack: Vue. js, Vutify, Javascript, CSS, HTML, D3, Threejs, MongoDB

Web application to design and configure the industrial facility of a power station. The scope of the app was to consume external models(units) and models designed in the app to configure a design for a power facility and evaluate the performance and connections between individual units, and the system feasibility as a whole.

Teaching Experience

Grasshopper Tutor / Re: arch
August 2018 to September 2019, Thessaloniki, Greece

Lecturer / University College of London, The Bartlett
May 2021, London, UK

Associate Lecturer / Anglia Ruskin University
September 2021 to March 2022, London, UK

Freelance UX/UI Tutor
December 2023 to present, London, UK

Skills

Programming Languages C#, Javascript, python	**UX / UI Design** Figma, Adobe XD
Markup and Stylesheet Languages/Libraries HTML, CSS, Material.io, Vuetify 3	**Adobe Suite** Adobe Photoshop CS, Adobe Illustrator, Adobe XD
Frameworks Vue.js	**Architectural Software** Autocad, Rhino3D, Vray, Grasshopper, Google Sketchup, Revit Architecture, Zbrush
Libraries Threejs, D3, Google Maps API, Map box	**Gaming Engine** Unity 3D
Database MongoDB	**Microsoft Office Suite** Word, Excel, PowerPoint, Outlook
Languages Greek: Native Speaker English: Spoken Fluently, Read/ Written with high proficiency (IELTS C1)	**Other Skills** Comfortable with version control systems (Git) and DevOps platforms (Gitlab) Familiar with Rest APIs Drawing, sketching, photography

Distinctions & Awards

First Prize in the Architectural Competition of Ideas for the Architectural Reconstruction and utilization of the surrounding area of the Former Loumakis Camp in Karditsa. (2018)

Distinction of the student work "Nymph" and exhibition at the Architecture Biennale of Tallinn, Estonia 2017, at the TIF 2017, at the Researcher Night 2017, and at the World Academic Expo (WAVE). (2017)

Second prize in the student competition for the signage design at the Polytechnic School of AUTH premises.