OLGA BIENIAS

COMPUTATIONAL DESIGNER

CONTACT

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- San Francisco, CA

EXPERTISE

- **Computational Design:**
  Demonstrated understanding of computational design principles for production, with a focus on parametric modeling and data-driven decision-making.
- **Software Proficiency**:
  Skilled in Python and Dynamo for architectural scripting; actively expanding knowledge in Grasshopper, Rhino, and C# to enhance design processes.
- **Data Management & Visualization**:
  Proven capability in managing complex data sets, utilizing SQL, and WebGL for interactive web application development.
- **Collaboration & Communication:**:
  excellent communication skills, experienced in working alongside designers, engineers, and experts to refine and execute design concepts.

EDUCATION

Software Engineering Program

Hackbright Academy

Graduated Apr 2023 | San Francisco, CA

M.S., Architecture

University of Leuven

2012 - 2014 | Brussels, Belgium

B.A., Architecture

Technical University of Lodz

2010 - 2011 | Lodz, Poland

PROFILE

Innovative Computational Designer with a rich background in architecture, BIM management, and software engineering. Specializes in utilizing computational design and parametric methods to solve complex design challenges. Proficient in Python, Dynamo, Revit, AutoCAD, and actively exploring Grasshopper and Rhino. Adept at integrating large data sets into design models, offering creative solutions, and possessing a keen interest in the intersection of aesthetics and technology.

WORK EXPERIENCE

Continuous Learning & Project Development

San Francisco, CA   01.2023 - present

- Hackbright Academy - San Francisco, CA, Jan - Apr 2023:
  - Completed the intensive full-stack software engineering program
  - Developed PictureMapSF, an interactive map to navigate San Francisco using 24,000 geolocated photos, highlighting skills in data visualization and API integration.
  - Leveraged Python, PostgreSQL, Flask, JavaScript, WebGL, SQL, and other modern technologies to manage and visualize large data sets.
- Engaged in self-directed learning focused on computational design tools (Grasshopper, Rhino) and advanced programming languages (C#) to enhance design and engineering capabilities.

Associate - Project Architect & BIM Manager

Eric Colbert and Associates   Washington, DC | Jan 2017 - Jan 2023

- Led architectural and design projects leveraging BIM for efficient execution, showcasing an ability to manage complex, multi-disciplinary projects from inception to completion, notable:
  - 440 Penn: Led from Design Development through Construction, delivering a 300-unit project with 305,000 sf of residential and 23,000 sf of retail space.
  - Mazza Galerie: Strategic redevelopment of shopping mall, with preservation of an underground parking structure and the addition of 343 apartments
- Developed custom Revit libraries and Dynamo scripts to automate and optimize design tasks, demonstrating a blend of technical and aesthetic problem-solving skills.

Architect & BIM Manager

Bülow AG   Stuttgart, Germany | 2015 - 2016

- Implemented BIM standards, significantly improving project delivery and collaboration, reflecting leadership in adopting new technologies for design excellence.
- Architect for a 6-story office building, ensuring MEP and structural coordination through advanced Revit models.

Staff Architect

Habil Architect   Stuttgart, Germany | 2014 - 2015

- Focused on the design of intricate architectural details for significant cultural projects, leveraging advanced design software to realize complex geometries.