

# Luis Alonso Otero Seminario

Civil Engineer | Software Developer | BIM | VDC

[Portfolio Here](#)

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## EXPERIENCE

01/2022 - Present weclash.app	<b>BIM Software Developer</b> WeClash - App to improve Construction Industry <ul style="list-style-type: none"><li>Cloud-based 3d Viewer for sharing plans 2D or 3D.</li><li>Technologies I use: MongoDB, Express.js, React.js, Node.js, JavaScript</li></ul>
11/2021 – 09/2022 truemechanical.com	<b>VDC Automation &amp; Designer</b> True Mechanical Ltd. (Vancouver, Canada) <ul style="list-style-type: none"><li>Automated BOM and Spooling plan for the mechanical rooms.</li><li>Optimization of prefabrication process with a focus on cost reduction.</li><li>Development of Macros, Add-ins, and Dynamo script to automate manual time-consuming tasks.</li><li>Technologies I use: .Net Framework, C#, Python, Dynamo Autodesk</li></ul>
07/2018 – Present dynoscript.xyz	<b>AutoCAD &amp; Revit API Developer</b> Dynoscript Freelance (Worldwide) <ul style="list-style-type: none"><li>Freelance Consulting for automation solutions within the BIM workflow. Development of custom Revit or AutoCAD Add-ins following client's requirements.</li><li>Technologies I use: .Net Framework, C#, Python, Dynamo Autodesk, MongoDB, Express.js, React.js, Node.js, JavaScript</li></ul>
03/2019 – 03/2021 cypco.cl	<b>BIM Coordinator</b> Cypco Constructora (Santiago, Chile) <ul style="list-style-type: none"><li>BIM Coordination of MEP Specialties in construction site.</li></ul>
08/2017 – 03/2019 idom.com	<b>BIM Modeler</b> IDOM Consulting, Engineering, Architecture (Santiago, Chile) <ul style="list-style-type: none"><li>Detailed MEP engineering in New Pudahuel Expansion and Modernization of the Arturo Merino Benítez International Airport, Santiago de Chile.</li></ul>
01/2017 – 05/2017 alzerrecaydiaz.cl	<b>BIM Modeler</b> Alzérrecay Díaz Constructora (Santiago, Chile) <ul style="list-style-type: none"><li>BIM Coordination in Las Condes Clinic expansion project, Radiotherapy Area.</li></ul>
01/2015 – 07/2015	<b>Production Engineer Intern</b> Izquierdo & Casafranca Construcciones Metálicas S.A. Piura, Perú. <ul style="list-style-type: none"><li>Build Gantt Chart and track project progress according to the master plan.</li></ul>

## EDUCATION

2021	<b>Bootcamp Full-stack Web Developer.</b> Coderhouse Academy
2016	<b>Diploma in advanced BIM for building projects and New Digital Technologies in Architecture: Modeling and Development of BIM Projects.</b> Pontifical Catholic University of Chile
2015	<b>Civil Engineer Degree &amp; Diploma in Construction Project Management (PMI approach).</b> University of Piura (Perú)

## SKILLS

Languages	<ul style="list-style-type: none"><li>Spanish (native), English (Professional conversation).</li></ul>
Architecture & Engineering	<ul style="list-style-type: none"><li>Revit Autodesk, Navisworks, Dynamo, Revit API, Forge API, AutoCAD.</li></ul>
Desktop & Web Development	<ul style="list-style-type: none"><li>React, Express, Node JS, Vue, Docker, .NET. C#, JavaScript, Python.</li></ul>
DevOps	<ul style="list-style-type: none"><li>Heroku, Vercel, Azure, Digital Ocean.</li></ul>