ORLANDO SANTOS
BIM DEVELOPER

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LinkedIn • My Website • GitHub

SKILLS

BIM & ARCHITECTURE: Revit Autodesk, Advanced Revit Families, Autodesk Construction Cloud (ACC), BIM 360, AutoCAD, Program Management, Revit API, PyRevit, PyRevit scripts, Ideate Explorer, Clarity, Dynamo, QA/QC, DiRoots, NavisWorks, Adobe Photoshop, Adobe InDesign, Blue-beam, Microsoft Suite

DEVELOPMENT: Typescript, Javascript, Python, HTML, CSS, C#, .Net, React Native, React, Expo Go, Tailwind, Bootstrap

CERTIFICATIONS
- Autodesk Certified Professional: Revit for Architectural Design   June 2025
- BIM-VDC for Construction   July 2025
- Data Center Infrastructure Design   July 2025

BIM MANAGEMENT

Southline
- Multi-phase life science campus with six 6–7 story buildings, garages, and amenities
- Assisted with project documentation, QA/QC reviews, and cross-team communications
- Led Revit setup: project/site coordinates, modeling standards, and family management
- Managed BIM 360 workflows including uploads, folder structure, and team permissions
- Balanced Phase 1 coordination with long-term planning for future phases

Harbor View
- Three 6–7 story buildings with garage and amenities
- Set site coordinates and BIM 360 structure; assigned teams per building
- Focused on geometry accuracy and design fidelity; created custom curved exterior patterns

MOFFET TOWERS ll
- Five 8-story buildings, three garages, and a hotel
- Coordinated garage and hotel models; managed model cleanup with Revit plug-ins

DEVELOPMENT PROJECTS

PyRevit Plug In
- Developed internal tools to streamline workflows, and improve coordination across multi-discipline teams.
- Developed a custom plugin using IronPython, .NET, Revit APIs, and the pyRevit framework
- Consolidated useful scripts from various pyRevit extensions into a unified, office-specific toolset
- Employed Git for version control and collaborative plugin development
- Assisted IT updates across teams through the pyRevit extension deployment model

EDUCATION

ACTUALIZE CODING BOOTCAMP | CERTIFICATE IN FULL STACK WEB DEVELOPMENT   Jul 2023 - Oct 2023

A four-month full-stack web development bootcamp. JavaScript, Python, React, Git, Agile, REST APIs

UNIVERSITY OF SAN FRANCISCO | BACHELOR OF ARTS IN ARCHITECTURE AND COMMUNITY DESIGN   2014

EXPERIENCE

BDE ARCHITECTS   April 2024 - Current

BIM SPECIALIST

- Developed custom Revit plugins using IronPython and pyRevit to streamline modeling workflows
- Partnered with IT to roll out plugins office-wide, ensuring compatibility and performance
- Collaborated directly with architecture staff to gather feedback and identify automation needs
- Led efforts to expand and organize the Revit Family Library, prioritizing usability and visual consistency
- Supported interior design workflows, with a focus on multi-family residential projects
- Provided cross-team support and training, helping teams adopt tools more effectively
- Maintained ACC models and coordinated project data across departments

A-FRAME: SURF FORECAST   Jan 2024 - Current

FOUNDER AND DEVELOPER

- Created full visual identity, including logo, typography, color palette, and layout
- Prioritized user clarity by simplifying complex surf data into digestible visuals
- Built interactive tide and swell charts using Skia and D3.js optimized for mobile UX
- Developed the app using React Native, TypeScript, and a Python backend
- Integrated Apple Maps, API data, and custom components like bottom sheets
- Managed data with PostgreSQL and Postico, deployed with Heroku
- Developed a dynamic rating system that adjusts based on wind and swell direction/strength
- Used Git for version control and collaborative development workflows

DES ARCHITECTS + ENGINEERS   Jan 2017 - Jun 2023

LEAD DRAFTER | BIM COORDINATOR   Jan 2020

- Created and maintained Revit models for core & shell commercial buildings up to LOD 350
- Led QC for Revit families, templates, and plug-ins across Architecture, Interiors, and Structural teams
- Coordinated schedules, data sharing, and issue tracking among Architecture, MEP, and Structural disciplines
- Delivered monthly internal Revit training sessions to a 150+ person office
- Converted as-builts into Revit from blueprints, AutoCAD, and SketchUp sources
- Coordinated with MEP/Civil consultants to ensure accurate model integration
- Performed MEP clash detection using Navisworks, flagging and resolving coordination issues
- Managed BIM 360 worksharing and supported technical troubleshooting across offices

DESIGNER | BIM LEAD   Jan 2017

- Design multi-page layouts for city/clients showing Architectural design intent
- Collaborate with clients to establish a design direction
- Directly oversaw the renderings produced by the graphics team
- Sketch, brainstorm and critique with design team

CSDA DESIGN GROUP   Jun 2014 - Dec 2016

DESIGNER

- Research and implement add-ins for Revit users
- Generate 3-D building from illustrations and concepts