CURRICULUM VITAE
Diego Ignacio Pinochet Puentes
41 years old (9/15/1981)

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Education	**MASSACHUSETTS INSTITUTE OF TECHNOLOGY**	
	Ph.D. Design and Computation	2018 -2023
	Master of Science in Architecture Studies , Design and Computation.	2013 -2015
	PONTIFICIA UNIVERSIDAD CATÓLICA DE CHILE	
	Master in Architecture.	2006 - 2009
	Bachelor in Architecture.	2001 - 2006
	NATIONAL INSTITUTE OF SPORTS, CHILE	2012 - 2013
Professional Experience	Building Information Modeling Coordinator/Consultant. – Santiago, Chile	
	• Coordinated and implemented BIM strategies for developing new Soccer Stadium at La Serena City.	
	TFPS ARCHITECTS	2007 - 2017
	Senior Architect. Santiago, Chile	
	• Designed the project "HUANACU Warehouse" which was selected as "building of the year – Institutional category" by ARCHDAILY.COM	
	• Developed parametric building models in REVIT and RH5/ Grasshopper.	
	• Implemented as a consultant digital fabrication procedures for complex geometry details	
	LYON BOSCH ARCHITECTS	2009
	Intermediate Architect. Santiago, Chile	
	• Developed complex parametric Models in DIGITAL PROJECT and CATIA.	
	• Executed project documentation of highly complex steel structures.	
Academic experience	**UNIVERSIDAD ADOLFO IBAÑEZ – DO DESIGN LAB**	2012 - 2023
	Associate Professor – Researcher. Santiago, Chile	
	• Taught Design Studio for graduate students at Master of Design program.	
	• Taught Studios and digital design for undergrad design program.	
	• Coordinated the Digital Technologies and fabrication area, developing academic curriculum for digital design education.	
	• Developed research on design and digital technologies designing and fabricating CNC machines.	

- Taught programming and interactive application classes for undergrad and grad students.
- Taught international workshops about design, fabrication and programming of CNC machines
- Taught Robotic fabrication classes with KUKA KR150 r270
- Advised 5 thesis projects at the Master in Design and the Master in Innovation and Design graduate programs.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY   2021

Instructor

- Taught 3rd Year Option studio at the Master in architecture program directed by professor Brandon Clifford

Teaching Assistant   2013 - 2023
- Taught Machine Learning for creative purposes at Design Intelligence class. Professor Marcelo Coelho. (Spring 2022)
- Taught architecture and technology at 3rd year undergrad studio. Professor Axel Killian. (Fall 2019)
- Taught Shape grammars and rule-based design at Visual computation class. Professor Terry Knight. (Spring 2019)

- Taught Research and theory at Inquiry in Design and Computation seminar. Professor Terry Knight (Fall 2018)

- Taught Computational Design at Creative Computation class. Professor Brandon Clifford. (Spring 2019)

- Taught circuit design and fabrication at HOW TO MAKE ALMOST ANYTHING CLASS. MIT MEDIA LAB. Prof. Neil Gershenfeld and Skylar Tibbits. (Fall 2014 – Fall 2019)
- Taught architectural design studio. CORE II, MARCH. SA+P MIT. professor Ryan Murphy. (Spring 2015)

Research Assistant
- Visiting PhD researcher at the Human Computer Interaction group directed by Professor Stefanie Mueller. Developed self-regulated reactive photochromic surfaces for architecture purposes. (Paper in progress). (Fall 2020)

- Research Assistant at the Encoded Elements Lab at The International Design Center (IDC) directed by Marcelo Coelho. Worked on interactive light installations for SIGNIFY using machine learning. I developed software and hardware for light interaction. (Fall 2018, IAP 2019, Summer 2019, Fall 2019, IAP 2020, Spring 2020, Summer 2020, Fall 2020, IAP 2021, Spring 2021, Summer 2021, Fall 2021)

- Research Assistant - Professor Takehiko Nagakura DCG MIT. Implemented photogrammetry techniques for digital reconstruction of Palladian Villas in Vicenza and Venice, Italy. Implemented a 3D graphical interface for fast visualization of high density meshes in Unity 3D. (IAP 2014, Spring 2015)

- Project Assistant - Mobile Experience Lab directed by professor Federico Cassalegno. Worked in the design of the new Student Welcome Center for the Massachusetts Institute of Technology in conjunction with Onur Yuce Gün.

PONTIFICIA UNIVERSIDAD CATOLICA DE CHILE   2009 - 2011
  Academic Coordinator/ Instructor. – Santiago, Chile

- Directed,the Building Information Modeling Post professional certificate
- Taught Building Information Modeling certificate program.
- Taught BIM PROJECT class for both undergrad and graduate level students.
- Taught Building Information Modeling certificate program.
- Taught BIM PROJECT class for both undergrad and graduate level students.

DIEGO PORTALES UNIVERSITY   2010-2011
  Instructor – Santiago, Chile

- Taught parametric design and digital fabrication class. 4th year undergrad.
- Taught Digital Representation class. 1st year undergrad.

Awards

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
  School of Architecture + Planning
- Bill Mitchel ++ fund (Spring 2015)
- Harold Horowitz Award (Spring 2019)

PONTIFICIA UNIVERSIDAD CATÓLICA DE CHILE
Master in architecture award
- Award for academic excellence (2009)

ARCHDAILY
- BUILDING OF THE YEAR 2009: Institutional Category award with HCO warehouse project. January 2010

YOUFAB GLOBAL CREATIVE AWARDS
- FabCafe Foundation: First Prize for the project Making Gestures: A personal Design and fabrication system. Tokyo, Japan. (2015)

CHILEAN MINISTRY OF EDUCATION
Chile Scholarship
- PhD Scholarship for Advanced Human Capital Formation 2018- 2022, from the National Commission for Scientific and Technological Research CONICYT, from the Chilean Ministry of Education. (2018)

- SMArchS Scholarship for Advanced Human Capital Formation 2013-2015, from the National Commission for Scientific and Technological Research CONICYT, from the Chilean Ministry of Education. (2013)

UABB 2015 Academic Committee Award

Bi-city Biennale Architecture/Urbanism 2015 Academic Committee

- "Radical Temporalities: The Landscape of Ephemeral Urbanism" Rahul Merothra + Felipe Vera in collaboration with Diego Pinochet. Shenzhen/HongKong. (2015)

2023 Digital Futures 'young Award'

- Digital Futures/Tongji University. CDRF 2023 conference Phygital intelligence´

Skills

MODELING, REPRESENTATION, FABRICATION

- REVIT (Architecture, Structure, MEP), DIGITAL PROJECT/ CATIA, RHINOCEROS, 3DSTUDIO MAX, Houdini, Blender, Mental Ray, Vray, Maxwell Render, Final Render, Adobe Creative Suite (Photoshop, Illustrator, Indesign, Dreamweaver), Unity 3D, Unreal Engine 4.
- CNC Milling , laser cut, thermoforming, 3d printing , circuit fabrication. KUKA kr180 (krl programing)
- Dynamo, Grasshopper
- UNITY 3D, UNREAL ENGINE.

PROGRAMMING LANGUAGES

- JAVA, C#, Python**,** Javascript**,** PythonScript and Rhino script (Rhinoceros), Processing, VB.net, Grasshopper, Mel Script, Max Script, Arduino, Swift (beginner), Tensorflow, Pytorch, Keras

LANGUAGES

- Spanish (native), English (fluent).