

Manuel O. J. Olguín Muñoz

<https://olguin.se> | <https://github.com/molguin92>

See above URLs for full list of academic achievements and publications.

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CURRENT

- **Carnegie Mellon University** Pittsburgh, PA
Short-term Scholar Nov. 2017 — (Present)
On-going research collaboration with Dr. Mahadev Satyanarayanan's *Elijah* group on the topics of *Edge Computing* and *Wearable Cognitive Assistance*.
- **KTH Royal Institute of Technology** Stockholm, Sweden
Doctoral Researcher Sep. 2017 — (Present)
Research interests broadly in the area of mobile and cloud computing, pervasive computing and low-latency systems and architectures. Doctoral advisor is Dr. James Gross.

PAST

- **NIC Chile Research Labs** Santiago, Chile
Graduate Research Assistant Jan. 2016 — June 2017
Developed a framework integrating a discrete event simulator with a traffic simulator, in order to simulate large-scale Intelligent Transport System scenarios.
- **Epistemonikos Foundation** Santiago, Chile
Software Developer Aug. 2016 — Dec. 2016
Designed and deployed a number of in-house software solutions to optimize workflow and improve efficiency in the activities of the foundation (principally in the form of RESTful web services).
- **Stanford Honors Academy** Santiago, Chile
Teaching Assistant Jan. 2016
Participated in an initiative by Stanford University and Eduexplora, to bring U.S. graduate students as tutors for advanced topics at a summer camp for promising middle- and high school students in their own home countries.
- **NIC Chile Research Labs** Santiago, Chile
Software Developer Aug. 2015 — Dec. 2015

EDUCATION

- **Ph.D., Electrical Engineering** Ongoing
KTH Royal Institute of Technology Sep. 2017 — (Present)
- **Engineer's Degree, Computer Science** Graduated with Highest Honors
Universidad de Chile Mar. 2011 — Aug. 2017
- **B.Eng.Sc. in Computer Science** Graduated with Honors
Universidad de Chile Mar. 2011 — Aug. 2017

TECHNICAL SKILLS

- Programming languages: Python, Java, C++, C.
- Markup languages: HTML+CSS, L^AT_EX, Markdown.
- Operating Systems: Skills in Linux-based OSs.
- Data Analysis and Visualization: Pandas, Numpy, Matplotlib, Tableau.

LANGUAGES

Spanish (*Native*), **English** (*Fluent*), **Swedish** (*Fluent*).

REFERENCES

- **James Gross**, Associate Professor of Electrical Engineering.
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- **Sandra Céspedes**, Assistant Professor of Electrical Engineering.
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