

Carlo Yuvienco

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EDUCATION

New York University

Doctor of Philosophy (Biomedical Engineering)

May 2010 — May 2014

Polytechnic Institute of NYU

Master of Science (Biomedical Engineering)

September 2007 — May 2010

The Cooper Union for the Advancement of Science and Art

Bachelor of Engineering (Chemical Engineering)

August 2001 — May 2005

EXPERIENCE

President, CEO

inSchool Apps, LLC

New York, NY

June 2013 — Present

- Command a Coast Guard fast rescue craft (FRC) and Coast Guard station.
- Responsible for the on-site training and direction of two crewmembers.
- Responsible to respond within 15 minutes as the primary marine search and rescue unit in our operational area to search and rescue taskings provided by the Joint Rescue Coordination Centre.
- Responsible for carrying out public search and rescue prevention programs such as Pleasure Craft Courtesy Checks and informational interviews.

NSF Graduate Research Fellow

Polytechnic Institute of NYU

Brooklyn, NY

September 2008 — May 2013

- Assist in the labs for a new third year electrical engineering project course.
- Act as a consultant for the students on topics relating to embedded hardware and software design.
- Assist in diagnosing technical problems and directing students to appropriate technical resources.

R & D Scientist

Pall Corporation

East Hills, NY

June 2005 — August 2007

- Assist in the labs for a new third year electrical engineering project course.
- Act as a consultant for the students on topics relating to embedded hardware and software design.
- Assist in diagnosing technical problems and directing students to appropriate technical resources.

AWARDS & HONORS

- Four year, full tuition scholarship, The Cooper Union, 2001-2005
- Frank Caldiero Humanities Award, The Cooper Union, 2003
- Alpert Fellowship, The Cooper Union, 2003-2005
- 41st Annual MACUB Conference (Graduate) Poster Competition (1st place), 2008
- National Science Foundation Graduate Teaching Fellowship, 2008-2010
- NIH/NCI 2nd Biennial Symposium: Chemical Insights into Biological Processes - Outstanding Poster Award, 2010
- 8th Annual Excellence in Polymer Graduate Research Symposium, 2012

PUBLICATIONS

- Yamano, S., J. Dai, S. Hanatani, K. Haku, T. Yamanaka, M. Ishioka, T. Takayama, C. Yuvenco, S. Khapli, A. M. Moursi, and J. K. Montclare (2014). “Long-term efficient gene delivery using polyethylenimine with modified Tat peptide”. In: *Biomaterials* 35.5, pp. 1705–15.
- Yuvenco, C., H. T. More, J. S. Haghpanah, R. S. Tu, and J. K. Montclare (2012). “Modulating supramolecular assemblies and mechanical properties of engineered protein materials by fluorinated amino acids”. In: *Biomacromolecules* 13.8, pp. 2273–8.
- Yamano, S., J. Dai, C. Yuvenco, S. Khapli, A. M. Moursi, and J. K. Montclare (2011). “Modified Tat peptide with cationic lipids enhances gene transfection efficiency via temperature-dependent and caveolae-mediated endocytosis”. In: *J Control Release* 152.2, pp. 278–85.
- Haghpanah, J. S., C. Yuvenco, E. W. Roth, A. Liang, R. S. Tu, and J. K. Montclare (2010). “Supramolecular assembly and small molecule recognition by genetically engineered protein block polymers composed of two SADs”. In: *Mol Biosyst* 6.9, pp. 1662–7.
- Haghpanah, J. S., C. Yuvenco, D. E. Civay, H. Barra, P. J. Baker, S. Khapli, N. Voloshchuk, S. K. Gunasekar, M. Muthukumar, and J. K. Montclare (2009). “Artificial protein block copolymers blocks comprising two distinct self-assembling domains”. In: *Chembiochem* 10.17, pp. 2733–5.

PRESENTATIONS

- Presentation: “Design of an Open Source Hardware Sensor and Data Logging Unit”. Presented at the National Conference on Undergraduate Research, University of Wisconsin - La Crosse, April 2013.
- Presentation of Unpublished Paper: “Inside Everything: Strategies to Promote Taiwan’s Continued Importance in the Global Semiconductor Market”. Presented at the National Chengchi University, Taipei, October 2012.