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## Education

### Massachusetts Institute of Technology

Received Bachelor of Science in Chemical Engineering.

Cambridge, Mass  
September 2014

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## Experience

Davis Square Engineering

### Founder/Lead Engineer

Cambridge, MA  
February 2015- Present

- Obtained first client from local painting company.
- Researched patent landscape and market viability for potential deliverable.
- Seeking to form Delaware LLC in December 2015.

Kibur Medical, inc.

Cambridge, MA  
September 2014 – Present

### Research Engineer

- Developed and validated chemotherapeutic drug sensing platform over multiple design revisions.
- Fabricated prototype components using a Micro-CNC mill setup.

CrayUP (Crystal Creations, LLC)

Cambridge, MA  
February 2014 – Present

### Co-Founder/Owner

- Designed 3-Dimensional sculpting pen specifically for young children.
- Protected design concept with provisional patent, formally established Delaware LLC January 2015.

MC10, Inc.

Cambridge, MA  
June 2013 – August 2013

### Medical Materials and Testing Intern:

- Simulated performance of in-vivo blood flow sensor; designed bench-top setup.
- Improved trial data quality over three flow sensor design revisions; formalized testing protocols.

Benet Laboratories

Watervliet, NY  
June 2012 – August 2012

### Polymer Nanocomposite Engineering Intern:

- Synthesized novel armor materials using Multi Walled Carbon Nanotubes.
- Influenced five design candidates; tested materials' thermal resistances using an Nd-YAG laser.

MIT Robert Langer Lab

Cambridge, MA  
January 2011 – February 2012

### Undergraduate Researcher:

- Synthesized polymers that demonstrate unique phase transitions.
- Applied the research and directly analyzing its application to the development of eye drops.

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## Leadership

NOBCCHE, MIT Chapter

Cambridge, MA

### Treasurer:

March 2011 – September 2013

- Organized and balanced the yearly budget for events coordinated by the chapter. Yearly cash flow of \$50,000.

MIT Office of Undergraduate Advising and Academic Programming

Cambridge, MA  
August 2011 – September 2013

### Student Orientation Leader:

- Introduced, directed, and advised approximately 20 incoming freshman in the MIT class of 2015 and 2016.

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## Skills

**Computer:** Proficient in MATLAB, Used PHAPro for chemical risk assessment, Used ASPEN for chemical process simulation

**Language:** Fluent in English, Conversant in Italian and German

**Technical:** 6 cumulative years of chemical (polymer, organic) laboratory experience, CNC Machining

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## Publications and Patents

- Stephen Bartolucci, Ph.D; Karen E Supan, Ph.D.; Jeffrey M Warrender, Ph.D, Christopher Davis, BS, "Laser-Induced Thermo-Oxidative Degradation of Carbon Nanotube/Polypropylene Composites." *Composites Science and Technology*, 2014.
- David Orozco, Christopher Davis. "3D-Drawing Crayon." Patent Pending. U.S. Pat No. US8475376839