

Benjamin Treutler

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3500 Beech Avenue Apt. B, Apt. B, Baltimore, MD, 21211

◆ EDUCATION

Johns Hopkins University

Bachelor of Science: Biomedical Engineering

Concentration area: Immunoengineering

Relevant coursework: Biomaterials, Computer Aided Design, Biomedical Data Science, Mechanical Properties of Biomaterials, Nonlinear Dynamics, Statistical Physics, Scientific Computing using Python and MATLAB

Additional involvement: Johns Hopkins Society for Biomaterials, President's Day of Service volunteer, Johns Hopkins Vietnamese Student Association

Baltimore, MD

Anticipated May 2021

◆ SKILLS & LANGUAGES

- Technical: CREO Parametric, Python, MATLAB, Microsoft Office, Google G-Suite, 3D-printing,
- Laboratory: Cell culture, immunofluorescence staining, PCR, gel electrophoresis
- Languages: German (B2 certified), Vietnamese (Native), English (Native)

◆ PROFESSIONAL EXPERIENCE AND RESEARCH

Hur Laboratory for Inertial Microfluidics

Research Assistant

- Conducting research on the efficacy and usage of vortex assisted electroporation to trap cells in microfluidic vortices for cellular reprogramming purposes and pharmaceutical compound production.
- Creating micro-patterned electrode design for electroporator assay using SPICE simulations.

Baltimore, MD

April 2018-Present

Center for Bioengineering Innovation and Design

Undergraduate Design Team

- Developing a device to conduct more efficient urinary diversion in cases of no or partial obstruction in the urinary system.
- Cooperating with healthcare stakeholders in order to develop insight into technological innovation opportunities.

Baltimore, MD

April 2018-Present

Tilleke & Gibbins Law Firm

Summer Intern

- Analyzed trends in the pharmaceutical patent litigation sector in Southeast Asia.
- Performed Vietnamese-English translation and writing of legal documents.

Hanoi, Vietnam

May 2017-September 2017

◆ ACTIVITIES AND COMMUNITY INVOLVEMENT

Johns Hopkins University Track & Field Team

Varsity Athlete

- Commit 20+ hours per week to team practices and compete at NCAA sanctioned meets.

Baltimore, MD

August 2017-Present

Johns Hopkins University Undergraduate Law Review

Staff writer

- Conducted intensive research on patent trends and social issues to become published writer in Johns Hopkins Law Review Journal.

Baltimore, MD

September 2018-Present

Mentoring Assistance Peer Program

MAPP Mentor

- Counsel and mentor 2 underrepresented engineering freshmen by providing academic and personal development skills and support, as well as serve as liaison to university support services.
- Implement with a team of other mentors various academic, cultural and service based enrichment events for mentees throughout the academic year.

Baltimore, MD

March 2019-Present