**Michael T. Biology**Anytown, New York 12345 | 555.555.2555 | name1@binghamton.edu

**EDUCATION**

**Binghamton University, State University of New York** *Expected May 20XX*
Bachelor of Arts in Biology

**Finger Lakes Community College (FLCC)** *May 20XX*
Associate of Science in Biotechnology

**SKILLS**

**Laboratory:** calculations, unit conversion, notebook keeping, safety protocol, sterile technique
**Equipment:** light microscope, balances, spectrophotometer, pH meter, micropipettes
**Laboratory Techniques:** electrophoresis, cell/bacterial culture, Gram staining, genetic transformation, PCR
**Imaging:** Gel Doc XR unit, Adobe Creative Suite software, image processing & printing

**RESEARCH EXPERIENCE**

**Robert B. Annis Water Resources Institute Muskegon, MI**

*Research Assistant, REU-QUEST June 20XX – August 20XX*

* Designed and executed a research project to distinguish between field and streambank erosion in the Lake Macatawa Watershed using advanced geospatial analysis techniques and field sampling methodologies
* Recorded levels of sediment erosion using a system of horizontal staves in stream sites to display a valid representation of the entire watershed
* Developed a specialized data collection protocol tailored to delicate streambank environments, ensuring minimal disturbance while gathering essential information for conservation strategies

**Sustainable Campus Initiative: Binghamton University Binghamton, NY** *Undergraduate Student Researcher January 20XX – May 20XX*

* Conducted an environmental assessment of campus transportation systems by analyzing vehicle emissions and surveying commuting habits to pinpoint areas for improvement and propose sustainable transportation solutions
* Utilized Qualtrics to develop and distribute a survey to collect data on student commuting trends and preferences
* Strategized risk-mitigating solutions by researching alternative transportation options and collaborating with campus partners to discuss the potential implementation of a bike-sharing program

**CLASS PROJECTS**

**Genetic Transformation of *Escherichia Coli* with pGLO/G** **Binghamton, NY**

*Undergraduate Student, Binghamton University April 20XX*

* Collaborated with a group of four to conduct genetic transformation of Escherichia coli bacteria utilizing the pGLO/G plasmid, employing sterile techniques to introduce foreign DNA into bacterial cells
* Evaluated transformation efficiency by quantifying the ratio of successfully transformed Escherichia coli colonies to total bacterial colonies, utilizing plasmid-specific markers and statistical analysis

**Analysis of cytotoxicity of hydrogen peroxide Canandaigua, NY***Undergraduate Student, Finger Lakes Community College February 20XX*

* Applied knowledge of cell culture techniques to separate and provide nutrients for primary culture of CHO cells
* Prepared a control culture and two experimental cultures to be subject to 100 mM and 200 mM hydrogen peroxide and determined the degree of toxicity by counting cell populations in each group

**WORK EXPERIENCE**

**Binghamton University Help Desk Binghamton, NY**

*Technical Support Student Assistant October 20XX–May 20XX*

* Monitored and documented support calls from faculty and students for the technical team
* Triaged support requests and directly remedied issues that did not require technical expertise