

ALEXANDER SEAVER

(541) 520-8894 | alex.w.seaver@gmail.com

8305 Loch Raven Boulevard Apt. AT | Towson, MD 21286

SUMMARY

Dedicated and highly motivated problem-solver with extensive experience in Cell and Molecular Biology laboratory techniques. Graduated with a concentration in Scientific Computing, a multi-disciplinary study of the intersection of biology, chemistry, and programming.

EDUCATION

Kenyon College, Gambier, OH

Bachelor of Arts in Molecular Biology

May 2017

- Concentration in Scientific Computing

Molecular Biology Courses

Introductory Biology Lecture and Lab
Cell Biology Lecture and Lab
Molecular Biology Lecture and Lab
Genetic Analysis Lecture and Lab
Introductory Chemistry Lecture and Lab
Organic Chemistry Lecture and Lab
Biochemistry Lecture
Virology Seminar
Disease and Dysfunction of the Nervous System Seminar

Scientific Computing Courses

Introduction to Programming
Data Structures and Program Design
Software Development
Senior Seminar

(Lecture courses with an intensive coding component)

WORK EXPERIENCE

Peddie School, Hightstown, NJ

Biology Faculty

August 2017-June 2018

- Taught two sections of Introductory Biology to high school students to create an engaging, effective curriculum to excite and prepare students for secondary education.
- Additional duties included assistant coaching the Varsity Swim Team, supervising a student residence building, and attending weekly faculty meetings to assess and guide the direction of the school.

Zebrafish International Resource Center, Eugene, OR

Research Assistant Intern

June-August 2016

- Worked closely with staff to become familiar with common lab techniques and operations at the facility.
- Trained in proper handling and techniques related to zebrafish in a research environment.

Biology Department, Kenyon College, Gambier, OH

Student Researcher

January-May 2015

- Examined the effects of maternally deposited gene products on the development of mouse oocytes in conjunction with Dr. Arianna Smith.
- Developed proficiency in laboratory techniques including PCR genotyping via gel electrophoresis, sectioning of paraffin-embedded embryos, H&E staining, and slide fixing.

Meadowbrook Swim Club, Baltimore, MD

June 2018-Present

Assistant Manager/Pool Operator

- Oversees guard staff and ensures smooth operation of the facility for member safety and satisfaction.
- Monitors and adjusts pool chemical balance to maintain optimal levels for equipment operation and bather health.

Environmental Technology Group, Eugene, OR

Technical Support Specialist

June-August 2016

- Provided assistance to key personnel in order to provide cost effective, innovative solutions to clients.
- Performed input and quality assurance examination of site data before assembling reports to be shipped to clients.

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TECHNICAL SKILLS

Laboratory Skills

Knowledge and practice of the following:

- General biology techniques
- Cell Biology techniques
- Molecular Biology techniques
- Genetics techniques
- General Chemistry techniques
- Organic/Synthetic Chemistry techniques

Computer Skills

Proficient with Microsoft Office Suite

Proficient with Adobe Creative Suite

Extensive experience with:

- C++
- JavaScript
- HTML/CSS
- Windows Operating Systems
- Linux/Unix Operating Systems

REFERENCES

Dr. Kathy Gillen

Assistant Professor of Biology

Department of Biology, Kenyon College

202 N College Rd, Room 312

Gambier, OH 43022

Phone: (740) 427-5395

Email: gillenk@kenyon.edu

Dr. Shani Peretz

Science Department Chair

Department of Science, Peddie School

201 S Main St

Hightstown, NJ 08520

Phone: (609) 944-7624

Email: speretz@peddie.org

Dr. James Skon

Visiting Professor of Mathematics and Computer Science

Department of Mathematics, Kenyon College

201 N College Rd, Room 309-C

Gambier, OH 43022

Phone: (740) 427-5369

Email: skonjp@kenyon.edu