Brian Desnoyers

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104 Stowe Drive | Poughquag, NY 12570
AVAILABILITY: JULY – DECEMBER 2016

EDUCATION

Northeastern University, Boston, MA   **2013 – Present**

College of Computer and Information Science

Candidate for a Bachelor of Science in Computer Science and Biology   May 2017

Relevant Courses: Algorithms and Data | Software Development | Database Design | Object Oriented Design | Biostatistics (R programming)
Bioinformatics Computational Methods (Graduate) | Genetics and Molecular Biology | Honors Organic Chemistry

Honors: **GPA: 3.80/4.00** | Computer Science GPA: 3.93/4.00 | Dean's Scholarship | Dean's List | Honors Program | CCIS Peer Mentor

COMPUTER KNOWLEDGE

Languages: Java | Swift | SQL | Perl | R | Python | Lisp/Racket/ACL2 | LaTeX
Systems: OS X | Ubuntu Linux | Windows XP/Vista/7/8/10
Software: IntelliJ IDEA and PyCharm | Xcode | Eclipse | R Studio | Vim | Microsoft Office

WORK EXPERIENCE

Brigham and Women's Hospital, Boston, MA

Sleep Laboratory Technician   2015 – Present
- Monitor and interact with inpatient subjects, including taking vital signs, collecting and processing biological specimens, and applying PSG electrodes (EEG, EOG, EMG, EKG).

TAVANA LLC, Boston, MA

Software Developer   2015 – Present
- Develop a novel cyclist-driver communication application for iOS, using a combination of bluetooth, GPS, and web technologies.

Northeastern University, Boston, MA

Housing and Residential Life – Resident Assistant   2015 – Present
- Liaise with staff to form strong residence community and respond to resident concerns, issues, and emergencies.
- Organize activities in areas of cultural competency, community engagement, critical thinking, and personal development.

College of Computer and Information Science – Discrete Structures Course Tutor   2014 – Present
- Guide students through assignments and difficult course material during office hours and facilitate weekly discussion section.
- Grade exams and homework assignments.

Department of Marine and Environmental Sciences – Biostatistics Course Tutor   2014 – Present
- Hold tutoring sessions to assist students with course content and R programming assignments.

American Red Cross of Massachusetts, Boston, MA

Volunteer Instructor   2013 – Present
- Teach courses in CPR/AED, first aid, and caregiving skills to nurses and other healthcare providers, as well as lay responders.
- Certified approximately 1,000 people in American Red Cross courses.

Union Vale Parks and Recreation, LaGrangeville, NY

Lifeguarding Instructor, Water Safety Instructor, Head Lifeguard, Swim Coach   2010 – 2014
- Developed and led a weekly in-service training program to ensure that facility staff were prepared to respond to emergency situations.
- Certified park staff in lifeguarding, first aid, and CPR skills and taught swimming and water safety skills to both children and adults.
- Designed Python web API for manipulating swim team stats from team database on website, and developed website and database.

Jewish Community Center of Dutchess County, Poughkeepsie, NY

Swim Coach   2010 – 2013
- Managed team database and developed and maintained team website and communications, using HTML and Flash, then WordPress.
- Created team meet line-ups and led a team that managed swim meets through automated meet timing and scoring system.
- Composed season workout plans and published those plans to be used by the coaching staff for all practices.

INTERESTS

Swimming with Northeastern Swim Club | Rowing | Medicine and Health | Teaching, Tutoring, and Coaching | Volunteering

References will be furnished upon request.