

**Hilary A. Lynch**  
Atlanta, Georgia

**KNOWLEDGE & SKILLS:**

- Object-Oriented Programming
- Testing & Troubleshooting
- Technical & User Documentation
- Software Development Lifecycle
- Requirements Gathering
- Excellent Communication

**TECHNICAL EXPERTISE**

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**Technologies:** Go, Python, Ruby, Rails, MySql, Docker, JavaScript, MATLAB, Arduino, C++  
**Communication:** Led Cross-Functional Team Projects & Training for Large Groups, Excellent English,

**PROFESSIONAL EXPERIENCE**

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**CareerBuilder, Inc.**

*Software Engineer II – R&D API Authentication* Apr 2019 – present  
*Software Engineer I – R&D API Authentication* June 2018 – Apr 2019  
*Software Development Intern – R&D API Authorization and Authentication* Sept 2017 – Jun 2018

- **Technologies used:** Go, Ruby/Rails, C#, .NET Core, Git, MySql, Docker, AWS Services, Jenkins, Angular JS
- Create RESTful APIs and connected user-facing web pages for users to interact with and edit data seamlessly.
- Contribute input for requirements and specifications on features involved in authentication of API requests.
- Evaluate and implement features, collaborating with team members on project goals and tasks.
- Write unit and functional tests to ensure that code is up to specifications.

**NeuroSimplicity, LLC**

*Lead Software Engineer* Jan 2017 – present

- **Technologies used:** C++, Catch, Python, Gnuplot, Arduino
- Develop C++ application with Chief Product Officer to proof of concept stage.
- Iterate on application versions as new requirements and features are determined.
- Create outputs and graphical views of data collected in real time to iterate on the algorithms.

**HubLogix Commerce Corp.**

*Technical Implementation Lead* Sept 2014-Aug 2016

- **Technologies used:** Jira, Confluence, Ruby on Rails
- Worked with development and support teams to build features and resolve support issues.
- Identify and work in code base to identify areas of improvement or sources of support issues.
- Facilitated the development of features that originated with the customer success team.

**Medtronic, Inc.**

*Biomaterials Research and Development Intern* Jun 2014-Sept 2014

- **Technologies used:** MatLab, Instron Testing Software
- Worked with the Biomaterials R&D team to study biomaterials used in transcatheter heart valves.
- Iterated on Matlab scripts to analyze the stress-strain relationships of biomaterials.
- Performed the mechanical and biochemical testing for the characterization of biomaterials used in heart valve replacements.

**Georgia Tech Department of Physics**

*Teacher's Assistant - Electromagnetism* Aug 2012-May 2014

- **Technologies used:** VPython, Circuits
- Facilitate laboratory sessions and assess the progress of the students in the course with graded quizzes.
- Assist students with set up of circuits and with debugging their VPython code.
- Troubleshoot equipment used in the laboratory sessions.

**EDUCATION**

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**Georgia Institute of Technology, Atlanta, GA** Dec 2020  
M.S. Computer Science

**Georgia Institute of Technology, Atlanta, GA** May 2014  
B.S. Biomedical Engineering