

Derek Otcasek

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Education

University of Massachusetts Boston	Bachelor of Science, Computer Science, December 2019 GPA 3.125
Bunker Hill Community College	Associate of Science, Computer Science, 2017 GPA 3.98 – Dean's List
Bunker Hill Community College	Certificate, Object Oriented Programming and Design, 2017

Technical Skills

Programming Languages:	Java, C++, JavaScript, Python, C, C#.
Development Tools:	OpenCV, Three.js, WebGL, Git, AngularJS, Npm, Composer, Gulp, HTML, CSS, MySQL, OracleDB, PHP, Emacs, JSP, XML, JSON, AWS, CLI, LAMP, Anaconda.
Coursework:	Data Structures & Algorithms, Computer Graphics, Computer Vision, Operating Systems, Database Management, Android Development, Compilers, Object Oriented Programming, Linear Algebra, Probability and Statistics, Discrete Mathematics, Theory of Computation.
Operating Systems:	UNIX, Linux, Ubuntu, CentOS, Windows, MacOS.

Projects

UMBrella Search – JavaScript, HTML, CSS – 2019

- Deploy Amazon Web Server and developed accompanying software to enable patrons to share library records via Text Message.
- A Node.js, Gulp based development environment.
- Develop custom Angular components to enhance library search functionality.
- Enhance user experience via UI customizations and integration with third party APIs.

Ezproxy Log Parsing Tool – Java – 2019

- Created Java tool to parse 5 years of Ezproxy log files with over 50 GB of data.
- Enhance security using MD5 encryption to anonymize user names.

EduSmartLearn – Harvard HackED – JavaScript – 2018

- Expert system using a decision tree to facilitate consumer behavior.
- Deploy WordPress site with embedded Plunker expert system widgets.

Mock Stock Android App – School Project – Java – 2017

- Design modern GUI in XML using fragments.
 - Implement binary search tree for data per project spec.
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Work Experience

University of Massachusetts, Boston, MA | Software Developer | January 2019–Present

- Web application developer for Library Systems and Discovery Services.
- Create written documentation and test new features in sandbox and production environments.
- Analyze UMBrella usage data by parsing log files and preparing data visualizations.
- Administrator of AWS mail server and Alma–Illiad sync server.

Tatte Bakery, Boston, MA | Barista | January 2019–Present

- Provide customer service with high volume of guests.
- Clear verbal communication with colleagues.

Back Bay Sandwich, Boston, MA | Supervisor | 2011–2018

- Certified TAP food safety manager.
- Time management and multitasking.