DAVID J. MURPHY

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EDUCATION INFORMATION

Bachelor of Arts in Computer Science	Molloy College – Rockville Centre, NY **GPA: 3.49** | **Dean's List:** Spring 2013, Fall 2017	FALL 2012 – MAY 2018
Bachelor of Arts in English Minor in Biology	State University of New York College at Geneseo **GPA: 3.46** | **Dean's List:** Spring 2016, Fall 2016, Spring 2017	FALL 2014 - MAY 2017

ACHIEVEMENTS

- ❖ Zahn Innovation Center 2018 Venture Competition, **1ˢᵗ place winner** of the $25,000 grand prize under Zahn Innovation's Technology Track. **People's Choice Award** – nominated for best software, $1000 prize. As Co-Founder & CTO of Skinno Inc, successfully pitched the company's machine learning technology to investors (*Howard Morgan, Sandford Wollman, Noel Goddard, Chuck Pettid, Kimberly Yarnell...*)
- ❖ Johnson & Johnson Digital Beauty 2018 QuickFire Challenge, **Top 5 Finalist**. An international tech challenge sponsored by Johnson & Johnson Innovation, JLABS, and Johnson & Johnson Consumer Inc.
- ❖ MassChallenge Accelerator 2018 Challenge – Boston, **Round 2 Finalist.** Invited to pitch Skinno's mobile computer vision technology.

RELATED JOB EXPERIENCE

(F/T) Applications Developer/Implementation Specialist – Molloy College JUNE '18 – **PRESENT**
- o Responsible for the design, development, analysis, implementation, documentation, training, and ongoing support of software applications. The software improves both administrative and academic processes, and the overall organizational effectiveness of the College.
- o Design, develop (full-stack), & implement an intranet Data Dashboard web-service that automates query and data plot creation for college administrators.
  - ▪ Significantly reduce inbound data request congestion into Institutional Research without compromising the quality/integrity of outbound info.
  - ▪ Secure vital database information by developing a PHP-based API that screens POST requests for potential SQL injections with modern user input validation techniques. Integrate user authentication with restricted role access via LDAP services.
  - ▪ Arrange and lead meetings with college administrators/leadership to train users
- o Design, develop (full-stack), & implement a job-listing web service that utilizes server-side libraries to automatically parse & format .docx job templates into finished job listings.
  - ▪ Drastically increases the job listing process turnaround time – from manual entry & formatting to automatic generation – while normalizing job listing format for professional consistency.

(P/T) Board-Certified Robotics Advisor – George W. Hewlett High School SEPTEMBER '17 – **PRESENT**
- o Teach basic hardware concepts via hands-on training and software concepts (object-oriented, data structures) via Eclipse and Android Studio to three teams of over fifty high school students for FIRST Robotics competitions.
- o All teams advanced to the Long Island FIRST Regionals (Spring '18); thereafter, one team advanced to the FIRST Robotics North-Eastern Super Regionals.

(F/T) **Co-Founder & Chief Technology Officer** – Skinno Inc. NOVEMBER '17 – JUNE '18
- o Developed all aspects of Skinno's multi-platform service, including a web and mobile application for iOS devices. Monitor technology trends – especially in machine learning and UI/UX – that could impact the company's technology, and efficacy in targeting & retaining its market audience.
- o Attended weekly mentor meetings and business development workshops as a member of the Zahn Innovation Startup Incubator.
- o Communicate the company's technology to partners, investors, employees, and Zahn Innovation management.
- o Coordinated with UI/UX designer to develop (full-stack) and publish Skinno's open beta iOS mobile app onto the App Store (Released May 2018).
  - ▪ Skinno utilizes both client-side and server-side machine learning via optical character recognition (OCR) to scan skincare product labels and instantly translate their esoteric ingredients in real-time. The app's priority is to better inform customers of their skincare products, and to help determine how effective a product is for treating their particular skin.
- o Collect, manage, and maintain user data on NoSQL Databases (Google's Firestore).
  - ▪ Scrape and store over 60,000 skincare ingredients and their functions in skincare products, and over 100,000 skincare products.
  - ▪ Track Retention and Engagement via Google's Firebase Dashboard to better understand and predict user growth, engagement, and retention.
- o Create and manage a Firebase User Authentication database; implement a secondary pipeline for Gmail & Facebook OAuth to manage authentication and to automatically generate first-time user profiles through their social media profile (with consent).

(P/T) Technology Specialist – Molloy College NOVEMBER '17 – JUNE '18
- o Monitor, manually re-image, and connect several computer labs onto both the student and faculty DNS. Assign admin and user privileges respectively.
- o Workinge experience with switch panels and patch panels in a professional environment.

(P/T) Teacher's Assistant | Web Scripting – Molloy College SEPTEMBER '17 – MAY '18

(P/T) Undergraduate Computer Science Tutor – AcE Services – Molloy College SEPTEMBER '17 – MAY '18

PROGRAMMING LANGUAGES, SERVICES, & ABILITIES

- ▪ HTML5 | CSS3 | JavaScript ES5/ES6/ES7 | jQuery | Git & Github | OOP **> 3 YEARS**
- ▪ C++ | Java | Android Studio | Bootstrap | JSON **> 2 YEARS**
- ▪ Swift & Xcode | CRUD | REST | SQL | MySQL | NoSQL – Google Firestore, MongoDB | PHP | Node.js | npm | React | Material UI **< 2 YEARS** | Microsoft IIS | ODBC | R | Google Firebase
  - o Stack: jQuery, Bootstrap, HTML, CSS, JS, PHP, SQL, MySQL, and IIS
  - o MERN Stack: MongoDB, React, Material UI, JSX, JSS, Node.js