EMMA OBERSTEIN

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EDUCATION

Dartmouth College, Hanover, NH   **June 2018**
B.A. in Computer Science   **GPA 3.86/4.0**
Relevant Coursework: *Algorithms, Object Oriented Programming, Discrete Mathematics, Software Design and Implementation, Databases, Website Development, Smartphone Programming, Human Computer Interaction, Bioinformatics*
Honors: 5 Citations for Academic Excellence in Computer Science, Neukom Scholar, Presidential Scholar, Rufus Choate Scholar

TECHNICAL SKILLS

Programming: HTML, CSS, JavaScript, Java, C, C#, Python, SQL, Android Development, ASP.NET, Swift
Design: Photoshop, Maya, Muse

EXPERIENCE

Microsoft, Bellevue, WA   **June 2017 – August 2017**
Software Engineering Intern
   • Developed a feature within the Virtual Entity team to synchronize metadata to a Microsoft Dynamics 365 instance from external databases given OData or Swagger API documentation.
   • Facilitated the Virtual Entity workflow by allowing customers to select specific metadata to synchronize through either the Dynamics SDK or a web resource integrated within the data source user interface.

Applied Visions, Inc., Northport, NY   **September 2016 - June 2017**
Software Engineering Intern
   • Delivered an enhanced version of Comic-BEE, commissioned by the Department of Homeland Security to allow educators to use choose-your-own-adventure comics to teach kids, the workforce and the army about cyber security threats.
   • Used the ASP.NET MVC Entity Framework to integrate new front-end and back-end features and correct previous system bugs as assigned by project manager.

HackDartmouth, Hanover, NH   **September 2015 - Present**
Director of Technology
   • Maintained the official website for HackDartmouth, Dartmouth College's annual student-run hackathon.
   • Taught an "Introduction to Website Development" workshop on HTML, CSS and JavaScript.
   • Mentored competing students in website development, Android development, iOS development and Visual Studio.

Digital Arts, Leadership, & Innovation Lab, Hanover, NH   **September 2015 – March 2017**
Full-Stack Website Developer
   • Prototyped DartDiagnose, a web application that assists doctors in diagnosing patients with rare diseases.
   • Developed an algorithm in JavaScript to rank disease probability based on user-inputted symptoms.
   • Collaborated with doctors to polish the user flow and design of the prototype application.

Department of Computer Science, Dartmouth College, Hanover, NH   **June 2016 – September 2016**
Presidential Scholar Research Assistant
   • Contributed to the early stages of a mobile health obesity wellness intervention for elderly obese adults.
   • Improved step and distance counting component in C for Amulet, a wrist-wearable device for mobile health applications with high security, efficiency and battery life.

Department of Computer Science, Dartmouth College, Hanover, NH   **March 2016 – August 2016,**
Teaching Assistant   **January 2017 – June 2017**
   • Graded student assignments in *Smartphone Programing, Software Design and Implementation, Website Development* and *Human Computer Interaction* courses.
   • Held office hours and answered relevant questions on Piazza, an online question and answer platform.

ADDITIONAL ACTIVITIES

Dartmouth CoderDojo, Windsor, VT   **January 2015 - Present**
Co-Chair
   • Mentored local middle/high school students with a passion for technology.
   • Assisted students with various projects including Scratch games, website design and Raspberry Pi arcade system.

Kappa Delta Sorority – Eta Xi Chapter, Hanover, NH   **March 2016 – September 2016**
Vice President of Finance
   • Managed a $105,000 budget and handled all aspects of the sorority's finances, including budgeting, billing and reporting.