# Dana Nikolaeva Chambourova

www.dchambourova.com

dchambourova@gmail.com | (217) 819-7383 | 207 S 4th Street, APT 304, Champaign, 61820, IL | in dchambourova | ⌂ dnicolaeva

## EDUCATION

**B.S. in Computer Science | University of Illinois at Urbana-Champaign**  ·  **August 2013 - May 2017**
- Concentration in Platforms and Concentration in Big Data | Honors James Scholar Program  ·  **GPA 3.4/4.0**
- Relevant Courses Taken: Data Structures | Systems Programming | Algorithms and Models of Computation | Computer Architecture | Embedded Systems | Databases | Data Mining | Web Programming | Parallel Programming | Artificial Intelligence | Senior Thesis

**The Hoeft Technology and Management Minor | University of Illinois at Urbana-Champaign**

## SKILLS

- **Programming and Computer Science:** OOP | C++ | C | Java | C# | Python | Ruby on Rails | Assembly | Cryptography | Data Mining | NLP
- **Web development:** HTML | CSS | JavaScript | jQuery | MEAN Stack | Boostrap | TypeScript | D3.js | Bootstrap | DOM | PHP | MySQL | CMS
- **Design and Media:** Photoshop | Illustrator | Sketch | InDesign | Premiere | After Effects | FreeHand | Flash
- **Languages:** Fluent in Spanish, English, Bulgarian | Intermediate level in German | Basic level in French
- **Business and Management:** Accounting | Finance | Marketing Strategy | Business Plan Development | Business Process Modeling | New Product Design

## WORK EXPERIENCE

**Senior Thesis | Ranjitha Kumar HCI Research Group**  ·  **Urbana Champaign, IL | August 2016 – Present**
- Responsible for designing a content recommendation model for services that use structured Polyvore data and unstructured Vogue data to provide new and unexpected fashion recommendations to users through a chat bot interface.

**Software Engineering Intern | Pinterest**  ·  **San Francisco, CA | May – August 2016**
- Designed and implemented an offline parser to extract local entities from "pin" links and use the new information in country detection to improve content localization for international users. I achieved an 85% percentage increase in labeled links, with a precision of 93%.
- Implemented logic to handle language detection for video websites by focusing only on content generated by the uploader, essential as Pinterest expands into the video market. I achieved a maximum of 277% increase in German links, a minimum of 141% for Japanese links while preserving a 92% precision.

**Software Engineering and Project Management Rotation Intern | Microsoft Corporation**  ·  **Redmond, WA | May – August 2015**
- Evaluated current experience for new Operational Management Suite (OMS) customers, using these insights, telemetry and customer data to design and fully develop a day-zero user interface by creating targeted unique experiences for every user segment. Implemented and coded day-zero web interface used by customers to view and analyze logs from large amounts of data sources.
- Refactored and abstracted API used to store OMS portal's configurations to allow developers to create different configurations scenarios.

**Software Engineering and Graphics Intern | Team Interval**  ·  **Chicago, IL | May – August 2014**
- Monitored, tested and debugged their Ruby on Rails web app for Quality Assurance. Offered technical support to clients using the web platform.
- Upgraded and rebuilt marketing website, effectively developed their marketing campaign and handled design from conceptualization to implementation and prepared design layouts.

## LEADERSHIP AND ORGANIZATIONS

**Job Fair Director | ACM UIUC Reflections Projections Conference 2016**  ·  **December 2015 – Present**
- Recruited and promoted our conference to potential employers, managed communications, registrations and logistics of the attending companies.

**Internal Affairs Coordinator | *previously Director, Marketing Coordinator* | Engineering Employment EXPO Career Fair**  ·  **April 2014 – Present**
- Led and managed 22 students to organize the 2nd largest engineering Career Fair in the nation attended by 500+ companies and 3000+ students.
- Directed the implementation of a new registration system which allows companies to receive access to student LinkedIn and actively participate in our social media channels, and enhanced their experience when using the registration site.
- Coordinated the implementation of new information session system to allow companies to more effectively interact with students. Developed and implemented sponsorship corporate package to increase organization's funds and leverage sponsor's technology.

**Engineering Learning Assistant | College of Engineering, University of Illinois at Urbana Champaign**  ·  **April 2015 – Present**
- Constructed syllabus for incoming freshmen Computer Science class, including development of their coding, professional and teamwork skills.
- Taught, mentored and executed syllabus plan with a group of 20 students in a classroom setting 3 times a week. Aided and taught students through the development of final project, which consistent in developing a personal web portfolio and expanding their knowledge of web technologies.

**Co-Founder | Babu,** *www.babu.dchambourova.com*  ·  **December 2013 – January 2016**
- Conceived company concept, acted responsible for developing the business model, marketing strategy, revenue model, managed financial records and designed all promotional materials and social media awareness and website.
- Developed a web portal which works jointly with an Android application where users can upload their paper receipts, view them digitally, track their spending and see where they could have purchased the product cheaper. (*www.receiptreducer.web.engr.illinois.edu*)

**Director | Seattle Intern Project, www.seattle.internproject.io**  ·  **April 2015 – September 2015**
- Coordinated with established companies and startups to host intern events to promote entrepreneurship and innovation in the Seattle Area during the summer of 2015 bringing 100+ interns per event. Some companies that we brought as speakers include Zillow Group, Taser International and Qumulo.

**Project Manager, *previously* Consultant | OTCR Consulting**  ·  **Champaign, IL | September 2013 – May 2015**
- Managed and directed four experienced consultants to complete an expansion strategy and human resource allocation project for a Silicon Valley midsize company in the robotics agriculture business. Revising deliverables for high quality and creating a cohesive team.
- Worked with another consultant to develop a Web Visualization that would allow them to access a database, WAMP stack, populated with all out findings and insights of the project. Webpage demo is available upon request.