



CONTACT INFO

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BROWN UNIVERSITY

- Providence, RI (2016 - 2020)
- A.B. Engineering
- A.B. Product Design
- GPA: 3.8

RELEVANT COURSES

- 2D & 3D Foundation
- Computer-Aided Design
- Design Studio
- Human Factors
- Industrial Design
- Projects in Engineering Design
- Sketching + Rendering (RISD)
- Technology of New Materials
- UI/UX

TECHNICAL SKILLS

- AutoCAD Inventor
- Fabrication
- Figma Wireframing
- Fusion360
- Hand Sketching
- Human Factors Research
- Illustrator
- InDesign
- Microsoft Office Suite
- Photoshop
- Solidworks

SOFT SKILLS

- Creative
- Decision Making
- Highly Organized
- Leadership
- Team Work
- Work Ethic

LANGUAGE SKILLS

- English (Native Speaker)
- Italian (Fluent)
- Romanian (Native Speaker)

VLAD BARBULICA

DESIGN & ENGINEERING

Hello! I am a recently graduated senior, passionate about cutting-edge automobiles, mid-century modern armchairs, easy-to-use technology, and more. Professionally speaking, I am seeking to combine my technical Engineering knowledge with my passion for creating human-centered design solutions.

DESIGN EXPERIENCE

DESIGN@BROWN CLUB CO-FOUNDER (2018-2020)

- Created and led the 15 member student group that gives Design interested students a greater voice at both the extracurricular and curricular levels
- Spearheaded a 62-page research proposal to push Brown to introduce an official Design major and create more readily accessible design resources
- Co-designed an "Introduction to Engineering Design" course for Fall 2020

CURRICULUM IC CO-COORDINATOR (2018-2020)

- Co-ran the Independent Concentrations (IC) program for Brown University, where students are able to "create and personalize a major of their own design"
- Spent 20 hrs weekly mentoring students through the rigorous IC process
- Served on the committee of faculty and deans that critiques around 75 proposals per semester before approving or rejecting each as an official major

FCA PRODUCT DEVELOPMENT INTERNSHIP (2019)

- Researched the current state of biometric tech across multiple industries to analyze the market-ready tech available for potential vehicle implementation.
- Facilitated meetings with 7 automotive suppliers and 23 different companies to discuss their technology's functionality, limitations, costs, and availability.
- Created a 52-page report of my findings, and suggested how to best implement each piece of technology into four next-generation Fiat Chrysler vehicles.

BROWN UNIVERSITY STEAM MEMBER (2017-2018)

- Partook in the student group that bridges the diverse S.T.E.M. and Arts fields through comprehensive fabrication-driven projects (learning through making).
- Assisted in the restructuring of the group into smaller, more focused teams

ISTITUTO EUROPEO DI DESIGN PROGRAM (2017)

- Gained a thorough overview of the automotive designer role through meetings with industry leaders from Sparco, Fiat, Pininfarina, Cecom and more.
- Co-Designed (within a group of 14) two visions for two future Fiat city cars, one in the near future (next 5 years) and one for the far future (15 years)

BROWN FORMULA RACING MEMBER (2016-2018)

- Modeled structural components of the vehicle through Fusion360 software
- Handled the fabrication of carbon fiber & CNC-milled metal components

OTHER WORK EXPERIENCE

UNDERGRAD STUDY ABROAD ADVISOR (2019-2020)

- Advised students on Brown University's current study abroad opportunities
- Organized 4 info sessions and panels for the Office of International Programs
- Coordinated the 'Brown in Italy' program with the Università di Bologna Office

SUMMER@BROWN ASSISTANT DIRECTOR (2018)

- Served as the assistant to the director of the 'Summer@Brown' Program
- Mentored fellow First-Generation students on college access & opportunities
- Created 4 workshops and 2 presentations grounded in LGBTQ+ identity