

DANIEL JELČIĆ

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EDUCATION

Tufts University | Medford, MA

May 2021

Bachelor of Science in Computer Science, GPA: 3.46

Relevant coursework: Algorithms, Data Structures, Web Programming, Programming Languages, Machine Learning, Internet-Scale Distributed Systems, Visual Analytics, Computing for Developing Regions, Machine Structure and Assembly Programming, Computation Theory, Discrete Mathematics

EXPERIENCE

Bloomberg L.P. | Virtual
Software Engineer Intern

Jun 2020 - Aug 2020

- Implemented a feature-complete front-end in Angular/TypeScript for a PK certificate management web application
- Developed a set of Kubernetes services in Python for PK certificate generation, revocation, and metadata retrieval
- Contributed to maintaining the app's CI/CD lifecycle, including Jest and Selenium test suites and Jenkins pipelines

Tufts University Department of Computer Science | Medford, MA
Teaching Assistant

Sep 2019 - Dec 2019

- Guide and tutor over 100 students of the COMP40: Machine Structure and Assembly Language class on coursework including C and Assembly programming, memory structure, profiling, and optimization
- Assess, grade, and provide feedback on biweekly software design class assignments

Networking at Tufts Research Lab | Medford, MA
Android Developer

Jun 2018 - Aug 2019

- Developed an Android messaging app in Java that transmits cost-free messages encoded in missed calls
- Designed and implemented APIs for emulating SMS and phone calls over the Firebase real-time database

Tufts International Club | Medford, MA
Head of Campus Relations

Sep 2017 - Sep 2019

- Coordinated a team of 7 committee members in biweekly meetings and their day to day tasks
- Organized a weeklong campus-wide event series with 500+ participants and 10+ partner organizations
- Co-wrote the club constitution that fully reorganized the club and expanded membership by over 100%

UWC Austria Short Course | Imst, Austria
Communications Director

Jan 2017 - Sep 2018

- Designed, deployed, and maintained branding and marketing campaigns with a 3,500+ weekly reach
- Co-led a series of workshops on LGBTQ+ history, awareness and allyship for 50+ students

PERSONAL PROJECTS

omniSMS | Python, Java, Twilio, mongoDB, Android SDK, Heroku

Designed and implemented a system comprised of an Android client and a REST API enabling transmission of universal content-agnostic binary data between an Android phone and a web server over nothing but SMS

Project Liverani | JavaScript, React, Socket.IO, MongoDB, AWS, CSS

Developed a public goods game allowing creation of variable-setting sessions which support 4 simultaneous players and from which data on patterns of investment behavior against different loss lotteries is collected for research purposes

SKILLS & INTERESTS

PROG. LANGUAGES: Python, JavaScript, TypeScript, Java, C++, C, HTML, CSS, Standard ML

FRAMEWORKS & TOOLS: git, GitHub, bash, Android SDK, React.js, Angular, Jenkins, Kubernetes, Jira, Heroku, AWS, Firebase, mongoDB, PostgreSQL, Adobe CC, Figma

LANGUAGES: English, Croatian / Bosnian / Serbian, Spanish, German, Latin

OTHER SKILLS: Project management, Agile Scrum, graphic design, marketing

INTERESTS: Entrepreneurship, architecture, public transit and urban planning, social justice, non-profits, government, sustainability, international gastronomy, podcasting