Daniel Kim

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EDUCATION

Yale University, New Haven, CT   Aug 2020 – Present
Prospective Bachelor of Science in Computer Science and Economics   Unweighted GPA: 3.93/4.00
Relevant Coursework: Data Structures and Programming Techniques, Systems Programming and Computer Organization, Artificial Intelligence, Vector Calculus and Linear Algebra

Bergen County Academies, Hackensack, NJ   Sept 2016 – June 2020
Academy for Technology & Computer Science   Unweighted GPA: 3.99/4.00
Awards and Honors: USA Computing Olympiad Gold Division, American Computer Science League (ACSL) 2020 Finals 2nd Place Senior Division and 1st Place in New Jersey, 4x American Invitational Mathematics Examination Qualifier (highest score 10) via top 2.5%/5% score on AMC 10/12

EXPERIENCE

GoSite, *Full Stack Associate*, San Diego, CA   Jun 2020 – Present
- Implemented event tracking using Segment APIs to follow user actions and preferences on a website builder
- Created analytics dashboard templates using Mixpanel to measure user engagement for latest products
- Worked in an agile environment with daily standup meetings, sprint planning sessions, and CI/CD pipelines

Yale Computer Society, *Full Stack Developer*, New Haven, CT   Nov 2020 – Present
- Developed a web-based platform for the Yale Entrepreneurial Society Internship Program (internships.yesatyale.org) to screen 600+ student applications for 180+ internship postings
- Led frontend development and design of application management system to help a team of 15+ recruiters conduct application review using ReactJS and frameworks such as Redux, resulting in 250+ successful referrals
- Helped plan and write backend infrastructure using AWS Lambda, API Gateway, and DynamoDB to support information management systems in the cloud for a network of 140+ startups
- Used services including Amazon CloudFront and CodePipeline to deploy websites and set up continuous delivery

Rutgers Discovery Informatics Institute, *Research Intern*, Piscataway, NJ   Sept 2019 – May 2020
- Utilized Python library Execo to design and implement an API for setting up environments and deploying scripts on remote machines, leading to reduction in installation time of middleware by 30%
- Collected data on network latency using ping to identify optimal environments for experimental usage
- Analyzed large datasets of taxi trip reports via batch processing (Matplotlib) and stream processing (Apache Flink)

Gauss Academy of Mathematical Education, *Python Coding Instructor*, Springfield, NJ   Mar 2020 – Apr 2020
- Taught Python GUI programming with libraries Turtle and Tkinter to 20+ middle school students 3 days/week
- Designed and planned curriculum and course materials and debugged students' programs

ACTIVITIES & LEADERSHIP

Bergen County Academies Math Team, *Webmaster*, Hackensack, NJ   Sept 2019 – Jun 2020
- Developed website with 40,000+ pageviews to host lecture notes, past contest files, and preparatory resources, using Materialize for responsive design and Firebase as backend for admin authentication
- Facilitated communication among coaches, lecturers, and members via dynamic updates and blog posts, leading to 40% increase in participants in weekly meetings

8th Annual Joe Holbrook Memorial Math Competition, Hackensack, NJ   Jun 2019 – Oct 2019
Webmaster, Volunteer Leader, and Problem Committee Member
- Took initiative to build and maintain a new website for improved SEO and user experience and impressions, resulting in monthly visits increasing by 70%
- Coordinated 20+ volunteers to help proctor 400+ participants at an annual middle school math contest
- Invented and proposed 50+ math problems; rated hundreds by quality and difficulty

TECHNICAL SKILLS

C++, C, Python – Matplotlib & NumPy, HTML, CSS, JavaScript – ReactJS & Redux, AWS Lambda, DynamoDB, Git, LaTeX, Adobe Photoshop, Microsoft Office